

Blue / New reconciliation

MJos Predictive Model | First manifestation of the Bangel Language

MJ Physics Engineering | Owned and operated by Michael Bangel | Clearwater, Florida

27 new project and reconstruction records

This newly authored edition connects recovered documentation and inspected project sources. Proposed language bindings, named-test discovery and historical execution results remain separate. Gold and Indigo reconstructions follow the recovered overview rules; they are not the missing original volumes. Green has no recovered rule and is not silently invented. White papers remain excluded.

Use the searchable library to inspect each record, source link, industry and project. The appended source-faithful color editions preserve the original mathematical layouts and diagrams with updated terminology.

MJos Predictive Model - Reference briefs

MJOS-20260924-MJOS-PREDICTIVE-MODEL-BLUE | New project sequence · proposed bindings

MJos Predictive Model / Blue

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PROJECT REFERENCE

IF / HOW / THEN prediction using the MJ.23.R2 variance foundation and explicitly versioned comparability.

OBSERVABLE BEHAVIOR

- Private development predictive API and PredictiveCore use preserved Bangel models with two independent JP/Joanna workers and guardian supervision.
- Source model files cover forecast, robust/hybrid, variance, comparability, trading-risk and minority-risk profiles.
- Versioned loopback GET profile / POST predict interface.

TYPED CONTRACT

- Observation: acquisition + availability times + value/Unknown + unit + provenance
- Forecast: horizon + scope + uncertainty + model identity
- Comparability: explicit contract
- GateVerdict: PASS | HOLD | DENY

DECISION RULE

Return an advisory forecast with uncertainty or HOLD; execution permission remains separate.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- Forecasts are advisory and uncalibrated.
- A hosted software package is not a bootable OS.
- Existing source notice describes private inherited material; naming updates must preserve license/attribution boundaries.
- No real-workload forecast accuracy established by this review.

SOURCE REFERENCES

[README.md](#)

[core.py](#)

[forecast.bangel](#)

Bangel Language - Reference briefs

MJOS-20260924-BANGEL-LANGUAGE-BLUE | New project sequence · proposed bindings

Bangel Language / Blue

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PROJECT REFERENCE

Typed measurement authoring through Elsa, independent JP admission and Joanna execution.

OBSERVABLE BEHAVIOR

- General typed quantities, measurements, typed unknowns, bounded control flow, modules, Elsa compilation, independent JP admission and Joanna runtime/receipts.
- Native C# source and Python implementation; GIN interval and temporal/evidence models.
- Historical paper records and computational profiles share the toolchain.

TYPED CONTRACT

- Unknown[T] distinct from zero
- Quantity: magnitude + unit
- ProgramIdentity: source and toolchain version
- Receipt: status + outputs + provenance

DECISION RULE

Return a receipt with PASS/HOLD and evidence; host effects require independent authorization.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- Fresh package execution was not performed here; README test counts refer to named prior candidates.
- Complete GIN lifecycle, all formula conversion and 189 Purple/Yellow relationship meanings remain open per source documentation.
- Do not conflate compilation PASS with permission to act.

SOURCE REFERENCES

[README.md](#)

[CONTRACT-RECONCILIATION.md](#)

BarTide - Reference briefs

MJOS-20260924-BARTIDE-BLUE | New project sequence · proposed bindings

BarTide / Blue

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PROJECT REFERENCE

Restaurant workspaces, ordering, menus, staff, fulfilment and delivery in an ASP.NET Core / Blazor application.

OBSERVABLE BEHAVIOR

- ASP.NET Core API and Blazor Web frontend; PostgreSQL durable storage and SQLite development abstractions.
- Ordering, restaurant management, staff/training, media, rewards, events, payments, referrals, demo intake, posts and sales pipeline source modules.

TYPED CONTRACT

- TenantId: Text
- OperationId: Text
- ExpectedVersion: Int
- Outcome: PASS | HOLD | DENY
- Receipt: source + tenant + request hash + version

DECISION RULE

Return a bounded typed result; hold unknown prerequisites and deny failed authorization.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- README calls this a source candidate, not a completed production launch.
- No fresh production configuration/runtime audit; source module existence does not prove activation.
- No production Bangel integration discovered in BarTide application source; reconciliation is a proposed adapter layer.

SOURCE REFERENCES

[README.md](#)

[Program.cs](#)

BarTide Stripe API - Reference briefs

MJOS-20260924-STRIDE-API-BLUE | New project sequence · proposed bindings

BarTide Stripe API / Blue

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PROJECT REFERENCE

Merchant onboarding, checkout creation, payment status and webhook handling at the BarTide payment boundary.

OBSERVABLE BEHAVIOR

- Connected-account onboarding, restaurant checkout/tracking/cancel endpoint, snapshot and thin webhooks.
- Merchant provider source uses idempotency keys, metadata binding and returned-payment/refund reconciliation.
- Current MerchantPaymentOptions hard-codes environment test and accepts rk_test restricted keys; checkout requires onboarding flag, checkout flag, cards-only verification and both webhook secrets.

TYPED CONTRACT

- MerchantEnvironment: test
- PaymentIntentBinding: tenant + order + account + attempt + amount + currency
- ProviderEvidence: signed event + retrieved object
- SettlementStatus: pending | paid | refund state

DECISION RULE

Record only the reconciled payment state; absent provider evidence remains pending/HOLD.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- Do not describe merchant source as enabled live payments.
- Production secrets, provider account readiness and successful real payment flow were not inspected.
- Signed webhooks are provider evidence, not blanket permission.

SOURCE REFERENCES

[MerchantPaymentOptions.cs](#)

[MerchantStripeProvider.cs](#)

[MerchantPaymentsEndpoints.cs](#)

MJ Neural Net - Reference briefs

MJOS-20260924-MJ-NEURAL-NET-BLUE | New project sequence · proposed bindings

MJ Neural Net / Blue

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PROJECT REFERENCE

Associative recall, relational discrimination and bounded source-grounded diagram overlays.

OBSERVABLE BEHAVIOR

- Source defines nine-node activations, Hebbian recurrent weights, retrieval, relational filter and bounded command placement.
- Three nine-node associative layers; five recovered diagram-overlay templates retained under a separate envelope.
- Source command-to-node model maps nine Bangel commands and predicts first-order transitions.

TYPED CONTRACT

- Feature: Missing(reason) | Known(Real)
- Nodes: n1...n9
- Memory: identity + pattern + relation + context
- Review: request hash + status
- r0: PROVISIONAL

DECISION RULE

Return a provisional advisory candidate or HOLD; retain downstream DENY and no actuation permission.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- Engineered computational model, not hippocampal biology or general natural-language prediction.
- Lowercase r0 remains provisional and distinct from uppercase R0.
- Synthetic comparison shows a recall/coverage tradeoff; not field accuracy or equal-coverage benefit.
- Diagram geometry and command mapping must retain separate namespaces.

SOURCE REFERENCES

[neural.bangel](#)

[adapter.py](#)

[README.md](#)

Neural Logic Mapping - Reference briefs

MJOS-20260924-NEURAL-LOGIC-MAPPING-BLUE | New project sequence · proposed bindings

Neural Logic Mapping / Blue

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PROJECT REFERENCE

N1-N7 interpretation pathway with r9 covering N5-N7 and bounded recovery.

OBSERVABLE BEHAVIOR

- Historical user-defined design preserves r0, examines IF assumptions, HOW/r1 articulation, inferred intention and THEN cross-layer validation.
- Historical task defines N1 preserve, N2 r0, N3 IF, N4 HOW/r1, N5 context, N6 compare, N7 THEN; user identifies r9 with N5-N7.
- Recovery returns to named gap with new evidence/correction, stops on repetition/no progress/exhaustion.

TYPED CONTRACT

- Observation: source + original form
- r0: first interpretation, provisional
- r1: articulation/relationship representation
- Intention: inferred claim + alternatives + evidence
- RecoveryAttempt: named gap + correction + progress

DECISION RULE

Output only supported scope; hold confirmation when referents or intent are unresolved.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- Historical task is not a current source repository.
- Formalization explicitly said implementation/testing pending; later parser-valid snippets do not prove complete NLP/image interpretation implementation.
- Intent is inference; UNKNOWN != ZERO; you/You distinction must be preserved.

MJ Memory Recall - Reference briefs

MJOS-20260924-MJ-MEMORY-RECALL-BLUE | New project sequence · proposed bindings

MJ Memory Recall / Blue

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PROJECT REFERENCE

Scoped episodic recall and a separate self-healing evaluation seam.

OBSERVABLE BEHAVIOR

- Source package contains recall.bangel and kernel.bangel with validated Python transport and SQLite storage.
- Documented associative/trajecory/playbook recall, scoped memory, projection and resource lifecycle.
- Catalog reports 1,080 selections and 11,880 actor paths in schematic pixel coordinates.

TYPED CONTRACT

- Episode: namespace + frame + observed_at + available_at + provenance
- Trace: actor + time + coordinates + units
- Recall: candidate + score + ambiguity + review
- Lifecycle: QUIESCE | SEAL | CHECKPOINT | DETACH | RECLAIM

DECISION RULE

Return a bounded advisory memory match or HOLD; forecasts never become observations.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- Catalog dimensions were read from current documentation, not recounted here.
- Geometry alone cannot identify an entity; 146 distinct complete assignments documented across the larger catalog.
- No user memory import, biological validation or physical memory reclamation claim.

SOURCE REFERENCES

[README.md](#)

[recall.bangel](#)

[KERNEL.md](#)

Moana - Reference briefs

MJOS-20260924-MOANA-BLUE | New project sequence · proposed bindings

Moana / Blue

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PROJECT REFERENCE

Vessel and customer records, service jobs, photos, checklists, completion records and backup/restore.

OBSERVABLE BEHAVIOR

- Historical Build Verification task reports Jobs/Vessel/Job workspace, customer and vessel intake, tasks, readings, notes, photos and history.
- Historical reports describe Bangel-Joanna-JP execution, Teal completion gates, version rechecks, operation-ID protection and portable exports.
- Later task reports workspace backup/restore and service reports plus a completed physical iPhone fresh-job flow.

TYPED CONTRACT

- Job: customer + vessel + tasks + revision
- Observation: Unknown(reason) | known(value, unit, time)
- PreparedChange: operation ID + base revision + review
- ServiceReport: observed work, not vessel certification

DECISION RULE

Save a supported change or hold missing evidence; retain backup/recovery and history.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- Current source was not recovered or inspected in this pass; all build/test assertions are historical task statements.
- Device-local single-operator prototype; shared accounts/cloud sync/scheduling/billing were later work.
- Do not transfer earlier CPU/encryption/rendering benchmark claims into Moana performance claims.
- Native Moana platform not fully activated; recovered presentation/routing contract was reused.
- Report page-break issue remained noted.

SOURCE REFERENCES

mj-moana.stormy-ray-3254.chatgpt.site

Engineering Studio - Reference briefs

MJOS-20260924-ENGINEERING-STUDIO-BLUE | New project sequence · proposed bindings

Engineering Studio / Blue

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PROJECT REFERENCE

Guided browser authoring, client-delivery review, C# work and Bangel reference integration.

OBSERVABLE BEHAVIOR

- Static internal prototype with five C# lessons, browser editor, notebook, project ZIP export and separate HTML/CSS/JavaScript sandbox preview.
- Browser-local drafts with multi-tab stale-write protection; JSON import/export.
- Current source documentation parks production /engineering behind 404, allowing Development path.

TYPED CONTRACT

- Language: CSharp | Bangel
- Draft: source + version
- ExecutionEvidence: actual | expected-only | not-run
- LessonResult: prediction + receipt + comparison

DECISION RULE

Report real parser/runtime evidence where available; label exported-but-not-run C# honestly.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- C# is not compiled/executed in browser or server; downloaded .NET project is its execution path.
- Expected output and completion checkmarks are not evidence of execution.
- No current application API/database integration or deployment control.
- Adding Bangel and build.tide.casa is the present requested work, not an existing capability established by this review.

SOURCE REFERENCES

[ENGINEERING-STUDIO.md](#)

Hagar / Water Protection - Reference briefs

MJOS-20260924-HAGAR-BLUE | New project sequence · proposed bindings

Hagar / Water Protection / Blue

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PROJECT REFERENCE

Water-protection and evidence-gated environmental reference pathways.

OBSERVABLE BEHAVIOR

- Water-protection and evidence-gated environmental reference pathways.

TYPED CONTRACT

- SourceIdentity: Text
- ProfileIdentity: Text
- EvidenceState: known | unknown | simulated | historical
- ReviewOutcome: supported | HOLD | DENY

DECISION RULE

Return a scoped result, HOLD for missing evidence, or DENY for a failed permission boundary.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- Each physical model needs its own measured inputs, units, environment, uncertainty and authority boundary.

Pearl / DRO - Reference briefs

MJOS-20260924-PEARL-BLUE | New project sequence · proposed bindings

Pearl / DRO / Blue

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PROJECT REFERENCE

Pearl, DRO and ignition reference papers and their source relationships.

OBSERVABLE BEHAVIOR

- Pearl, DRO and ignition reference papers and their source relationships.

TYPED CONTRACT

- SourceIdentity: Text
- ProfileIdentity: Text
- EvidenceState: known | unknown | simulated | historical
- ReviewOutcome: supported | HOLD | DENY

DECISION RULE

Return a scoped result, HOLD for missing evidence, or DENY for a failed permission boundary.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- Recovered conceptual and mathematical claims must retain their evidence ceiling; no physical performance upgrade is implied.

GIN Measurement - Reference briefs

MJOS-20260924-GIN-BLUE | New project sequence · proposed bindings

GIN Measurement / Blue

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PROJECT REFERENCE

Intervals, clock normalization, temporal states and evidence-bound measurements.

OBSERVABLE BEHAVIOR

- Intervals, clock normalization, temporal states and evidence-bound measurements.

TYPED CONTRACT

- SourceIdentity: Text
- ProfileIdentity: Text
- EvidenceState: known | unknown | simulated | historical
- ReviewOutcome: supported | HOLD | DENY

DECISION RULE

Return a scoped result, HOLD for missing evidence, or DENY for a failed permission boundary.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- Full GIN lifecycle remains distinct from the implemented interval and evidence adapters.

Solar Systems - Reference briefs

MJOS-20260924-SOLAR-BLUE | New project sequence · proposed bindings

Solar Systems / Blue

MJos Predictive Model | First manifestation of the Bangel Language

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PROJECT REFERENCE

Core, marine, rocket and semiconductor/phone solar reference families.

OBSERVABLE BEHAVIOR

- Core, marine, rocket and semiconductor/phone solar reference families.

TYPED CONTRACT

- SourceIdentity: Text
- ProfileIdentity: Text
- EvidenceState: known | unknown | simulated | historical
- ReviewOutcome: supported | HOLD | DENY

DECISION RULE

Return a scoped result, HOLD for missing evidence, or DENY for a failed permission boundary.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- Applications are separate profiles; one calculation does not qualify a different physical application.

Lecanto - Reference briefs

MJOS-20260924-LECANTO-BLUE | New project sequence · proposed bindings

Lecanto / Blue

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PROJECT REFERENCE

Source, measurement and evidence relationships in the early reference corpus.

OBSERVABLE BEHAVIOR

- Source, measurement and evidence relationships in the early reference corpus.

TYPED CONTRACT

- SourceIdentity: Text
- ProfileIdentity: Text
- EvidenceState: known | unknown | simulated | historical
- ReviewOutcome: supported | HOLD | DENY

DECISION RULE

Return a scoped result, HOLD for missing evidence, or DENY for a failed permission boundary.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- Normalized drawings are not physical dimensions or approved coordinates.

Quantum Systems - Reference briefs

MJOS-20260924-QUANTUM-SYSTEMS-BLUE | New project sequence · proposed bindings

Quantum Systems / Blue

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PROJECT REFERENCE

Quantum-related references, uncertainty and cross-system evidence relationships.

OBSERVABLE BEHAVIOR

- Quantum-related references, uncertainty and cross-system evidence relationships.

TYPED CONTRACT

- SourceIdentity: Text
- ProfileIdentity: Text
- EvidenceState: known | unknown | simulated | historical
- ReviewOutcome: supported | HOLD | DENY

DECISION RULE

Return a scoped result, HOLD for missing evidence, or DENY for a failed permission boundary.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- A project label or simulation does not demonstrate quantum hardware, entropy performance or physical validation.

Early Works - Reference briefs

MJOS-20260924-EARLY-WORKS-BLUE | New project sequence · proposed bindings

Early Works / Blue

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PROJECT REFERENCE

Foundational formulas, observational lifecycle, governance roles and source records.

OBSERVABLE BEHAVIOR

- Foundational formulas, observational lifecycle, governance roles and source records.

TYPED CONTRACT

- SourceIdentity: Text
- ProfileIdentity: Text
- EvidenceState: known | unknown | simulated | historical
- ReviewOutcome: supported | HOLD | DENY

DECISION RULE

Return a scoped result, HOLD for missing evidence, or DENY for a failed permission boundary.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- Historic test counts and frozen source identities remain dated evidence, not fresh verification.

BarTide and Tide Casa onboarding - Reference briefs

MJOS-20260924-BARTIDE-ONBOARDING-BLUE | New project sequence · proposed bindings

BarTide and Tide Casa onboarding / Blue

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PROJECT REFERENCE

RegisterWorkspace accepts restaurant/business plan, acknowledgement and required contact fields. Creates draft workspace, empty menu and deterministic request-ID slug; existing ownership cannot be rebound by matching email. TenantStaffAccess reads active durable membership; verified sign-in email may claim an unbound invitation.

OBSERVABLE BEHAVIOR

- RegisterWorkspace accepts restaurant/business plan, acknowledgement and required contact fields.
- Creates draft workspace, empty menu and deterministic request-ID slug; existing ownership cannot be rebound by matching email.
- TenantStaffAccess reads active durable membership; verified sign-in email may claim an unbound invitation.

TYPED CONTRACT

- RegistrationRequest: request ID, plan, acknowledged, business and contact
- OwnerBinding: user ID + tenant ID
- WorkspaceState: draft | active
- PublicationReview: separate evidence

DECISION RULE

Create or return draft workspace; conflicting ownership holds for review.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- One-workspace-per-account behavior is explicit in source.
- Creating a draft does not publish a restaurant or activate payments.
- No end-to-end onboarding execution in this review.

SOURCE REFERENCES

[WorkspaceRegistrationStore.cs](#)

[TenantStaffAccess.cs](#)

BarTide ordering and menu - Reference briefs

MJOS-20260924-BARTIDE-ORDERING-BLUE | New project sequence · proposed bindings

BarTide ordering and menu / Blue

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PROJECT REFERENCE

Menu categories, items, ingredient exclusions, item requests, order requests and quantities. Order quoting and fingerprints, customer receipt/tracking, staff operations and delivery workflow source. Delivery settings include allowed ZIP codes, fee, minimum and capacity.

OBSERVABLE BEHAVIOR

- Menu categories, items, ingredient exclusions, item requests, order requests and quantities.
- Order quoting and fingerprints, customer receipt/tracking, staff operations and delivery workflow source.
- Delivery settings include allowed ZIP codes, fee, minimum and capacity.

TYPED CONTRACT

- MoneyCents: Int + currency
- OrderRequest: tenant + quote fingerprint + request ID
- Fulfillment: pickup | delivery | table
- PaymentState: separately bound

DECISION RULE

Issue one receipt or return a version/quote conflict; never infer payment from order creation.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- Per-serving variants are not separate cart lines in current phase-two documentation.
- No source evidence of automatic route optimization.
- Fictional Gulf Lantern demo does not establish actual business outcomes.

SOURCE REFERENCES

[RestaurantOrderingStore.cs](#)

[RestaurantOrdering.cs](#)

[DELIVERY-PHASE-TWO.md](#)

BarTide delivery and driver operations - Reference briefs

MJOS-20260924-BARTIDE-DRIVER-BLUE | New project sequence · proposed bindings

BarTide delivery and driver operations / Blue

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PROJECT REFERENCE

Manual driver assignment with active same-tenant account membership, acknowledgement, collection, delivered confirmation and problem reporting. Driver writes and visibility are assignment-scoped; reassignment invalidates prior authority. Payment reconciliation is separate from physical delivery.

OBSERVABLE BEHAVIOR

- Manual driver assignment with active same-tenant account membership, acknowledgement, collection, delivered confirmation and problem reporting.
- Driver writes and visibility are assignment-scoped; reassignment invalidates prior authority.
- Payment reconciliation is separate from physical delivery.

TYPED CONTRACT

- DeliveryAssignment: tenant + order + driver + version
- DeliveryState: assigned | acknowledged | collected | delivered | problem
- PaymentState: independent
- OverrideReason: required for authorized manager exception

DECISION RULE

Record one accountable delivery transition; outstanding payment remains outstanding.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- Native/background driver app and external delivery provider phases remain paused.
- Driver confirmation is not payment/refund authority.
- No route optimization claim.

SOURCE REFERENCES

[RestaurantDeliveryWorkflow.cs](#)

[DELIVERY-PHASE-ONE.md](#)

BarTide foreground delivery location - Reference briefs

MJOS-20260924-BARTIDE-LOCATION-BLUE | New project sequence · proposed bindings

BarTide foreground delivery location / Blue

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PROJECT REFERENCE

Optional location session after assignment, acknowledgement and collection. Public shared demo accepts only simulated server positions; private foreground GPS path exists. Fresh/stale/expired location distinctions; latest point storage, one active customer leg, sequence and capture validation.

OBSERVABLE BEHAVIOR

- Optional location session after assignment, acknowledgement and collection.
- Public shared demo accepts only simulated server positions; private foreground GPS path exists.
- Fresh/stale/expired location distinctions; latest point storage, one active customer leg, sequence and capture validation.

TYPED CONTRACT

- Location: latitude + longitude + accuracy + captured time
- LocationMode: simulated | foreground-real
- Session: tenant + driver + order
- Freshness: fresh | stale | unavailable

DECISION RULE

Expose only the customer's active leg; hold stale/unknown location and stop sharing after invalidation.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- No background service, promised ETA, offline replay or route history.
- Physical iOS/Android GPS and poor-network field trials remain unverified in current documentation.
- Private deployment requires its own table policy; public-demo policy must not be reused unchanged.

SOURCE REFERENCES

[RestaurantDeliveryLocation.cs](#)

[DeliveryLocationSchema.cs](#)

[DELIVERY-PHASE-TWO.md](#)

BarTide staff scheduling and training - Reference briefs

MJOS-20260924-BARTIDE-STAFF-BLUE | New project sequence · proposed bindings

BarTide staff scheduling and training / Blue

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PROJECT REFERENCE

Team members and roles, time-bounded shifts, team messages, courses, lessons, assignments and lesson completion records. AddShift validates start/end and rejects overlaps for the employee.

OBSERVABLE BEHAVIOR

- Team members and roles, time-bounded shifts, team messages, courses, lessons, assignments and lesson completion records.
- AddShift validates start/end and rejects overlaps for the employee.

TYPED CONTRACT

- TeamShift: member + start + end + label
- TrainingProgress: member + lesson + completion + time
- Role: owner | manager | bartender | server | kitchen | driver

DECISION RULE

Save an explicit schedule or learning record; incomplete evidence does not certify proficiency.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- Training checkmarks are stored completion state, not independent proof of skill.
- Shift management exists; no optimizer or external calendar synchronization established.

SOURCE REFERENCES

[StaffTraining.cs](#)

[StaffTrainingStore.cs](#)

BarTide customer and staff rewards - Reference briefs

MJOS-20260924-BARTIDE-REWARDS-BLUE | New project sequence · proposed bindings

BarTide customer and staff rewards / Blue

MJos Predictive Model | First manifestation of the Bangel Language

MJ Physics Engineering | Owned and operated by Michael Bangel | Clearwater, Florida

PROJECT REFERENCE

Pure reward eligibility evaluation from supplied authoritative history. Deduplicates source events and rejects conflicting event IDs; filters tenant/customer, state, future events and monthly time zone. Versioned rules, qualification audit, points, redemption requests and employee ledger contracts.

OBSERVABLE BEHAVIOR

- Pure reward eligibility evaluation from supplied authoritative history.
- Deduplicates source events and rejects conflicting event IDs; filters tenant/customer, state, future events and monthly time zone.
- Versioned rules, qualification audit, points, redemption requests and employee ledger contracts.

TYPED CONTRACT

- Qualification: tenant + customer + source event + units + occurred time + state
- RuleVersion: immutable identity
- Eligibility: count + period + units remaining
- IssuancePermit: separate

DECISION RULE

Return eligibility only; issuance and redemption require separate authorized durable operations.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- Evaluator explicitly does not authorize, issue or redeem a reward.
- Durable issuance must enforce uniqueness independently.

SOURCE REFERENCES

[RewardEvaluator.cs](#)

[Rewards.cs](#)

BarTide events and reservations - Reference briefs

MJOS-20260924-BARTIDE-EVENTS-BLUE | New project sequence · proposed bindings

BarTide events and reservations / Blue

MJos Predictive Model | First manifestation of the Bangel Language

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PROJECT REFERENCE

Event title/location/time zone/capacity/publication state, RSVP, check-in and guest list contracts with request keys and versions.

OBSERVABLE BEHAVIOR

- Event title/location/time zone/capacity/publication state, RSVP, check-in and guest list contracts with request keys and versions.

TYPED CONTRACT

- Event: ID + interval + time zone + capacity + version
- RSVP: user + event + state
- CheckIn: independent recorded observation

DECISION RULE

Persist one reservation transition or return held/conflicting status.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- Read contract and module presence only; complete event behavior not freshly exercised.

SOURCE REFERENCES

[Events.cs](#)

[EventsStore.cs](#)

BarTide business posts and private media - Reference briefs

MJOS-20260924-BARTIDE-POSTS-MEDIA-BLUE | New project sequence · proposed bindings

BarTide business posts and private media / Blue

MJos Predictive Model | First manifestation of the Bangel Language

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PROJECT REFERENCE

Draft/published business posts, consent-bearing push subscriptions and subscriber counts. Private object store, media endpoints and uploaded-video references.

OBSERVABLE BEHAVIOR

- Draft/published business posts, consent-bearing push subscriptions and subscriber counts.
- Private object store, media endpoints and uploaded-video references.

TYPED CONTRACT

- Post: tenant + content + state + version
- Subscription: endpoint hash + consent + active
- MediaReference: tenant + object identity + access scope

DECISION RULE

Publish or enqueue only the authorized content; hold missing consent or unavailable delivery evidence.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- No notification was sent and no media access was exercised in this review.
- Publication rights and push consent require actual current authorization.

SOURCE REFERENCES

[BusinessPosts.cs](#)

[BusinessPostsOutbox.cs](#)

[PrivateObjectStore.cs](#)

Stripe API - Tide Casa service billing - Reference briefs

MJOS-20260924-STRIPE-SERVICE-BILLING-BLUE | New project sequence · proposed bindings

Stripe API - Tide Casa service billing / Blue

MJos Predictive Model | First manifestation of the Bangel Language

MJ Physics Engineering | Owned and operated by Michael Bangel | Clearwater, Florida

PROJECT REFERENCE

Quotes, setup/maintenance subscription checkout, invoices, cancel/discard and guest purchase contracts. ServiceBillingProvider supports sandbox or explicitly gated live configuration; creation requires checkout/cards-only/method configuration gates. Webhook signature verification and invoice/refund reconciliation code exists.

OBSERVABLE BEHAVIOR

- Quotes, setup/maintenance subscription checkout, invoices, cancel/discard and guest purchase contracts.
- ServiceBillingProvider supports sandbox or explicitly gated live configuration; creation requires checkout/cards-only/method configuration gates.
- Webhook signature verification and invoice/refund reconciliation code exists.

TYPED CONTRACT

- BillingEnvironment: sandbox | live
- Quote: initial + monthly + currency + fingerprint + terms version
- SubscriptionState: provider-bound
- InvoiceEvidence: amount + paid/refunded state

DECISION RULE

Persist the invoice/subscription status; never treat a redirect or advisory forecast as payment.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- Distinct from merchant payments, which are currently test-only.
- Source ability to configure live is not evidence live billing is activated.
- No subscriptions were created or changed.

SOURCE REFERENCES

[ServiceBillingProvider.cs](#)

[ServiceBillingReconciliation.cs](#)

[ServiceBilling.cs](#)

Tide Casa sales, referrals and launch review - Reference briefs

MJOS-20260924-BARTIDE-SALES-REFERRALS-BLUE | New project sequence · proposed bindings

Tide Casa sales, referrals and launch review / Blue

MJos Predictive Model | First manifestation of the Bangel Language

MJ Physics Engineering | Owned and operated by Michael Bangel | Clearwater, Florida

PROJECT REFERENCE

Sales leads/stages, follow-up dates, assignee, private notes, activity history and workspace link contracts. Referral applications/review codes, discount/commission totals and billing-linked sales. Launch-review and demo-request/inbox modules.

OBSERVABLE BEHAVIOR

- Sales leads/stages, follow-up dates, assignee, private notes, activity history and workspace link contracts.
- Referral applications/review codes, discount/commission totals and billing-linked sales.
- Launch-review and demo-request/inbox modules.

TYPED CONTRACT

- Lead: source + stage + next action + version
- Referral: profile + code + terms + verified sale
- LaunchReview: tenant + evidence + explicit decision

DECISION RULE

Return accountable business status; publication follows its separate review gate.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- Private prospects/data excluded from repo per README.
- A stored follow-up date is not evidence an external reminder/message is scheduled.
- Public content should not include private lead records.

SOURCE REFERENCES

[SalesPipeline.cs](#)

[Referrals.cs](#)

[LaunchReviewStore.cs](#)

MJ Decision Layer and recovery - Reference briefs

MJOS-20260924-MJ-DECISION-BLUE | New project sequence · proposed bindings

MJ Decision Layer and recovery / Blue

MJos Predictive Model | First manifestation of the Bangel Language

MJ Physics Engineering | Owned and operated by Michael Bangel | Clearwater, Florida

PROJECT REFERENCE

Current source package exposes arbitration, modes, noise filtering, loop protection, integrated pipeline and RecoveryStore. Pure Bangel decision source plus bounded Python host supervision. L1 observation, L2 association, L3 recall, L4 forecasting, L5 arbitration is explicitly a proposed logical organization.

OBSERVABLE BEHAVIOR

- Current source package exposes arbitration, modes, noise filtering, loop protection, integrated pipeline and RecoveryStore.
- Pure Bangel decision source plus bounded Python host supervision.
- L1 observation, L2 association, L3 recall, L4 forecasting, L5 arbitration is explicitly a proposed logical organization.

TYPED CONTRACT

- Candidate: identity + score + source
- Mode: separate from decision status
- Health/Review/Minority/Downstream: independently bound
- Recovery: operation ID + checkpoint + outcome certainty

DECISION RULE

Select an advisory or HOLD/DENY; ambiguous external completion remains held.

CONSUMER RULE

Read the result status before interpreting its value. Preserve the tenant, project, source version and evidence context. Do not treat a missing record, an unexecuted proposal or a successful computation as an authorized external action.

EVIDENCE LIMITS

- SELECTED identifies an advisory candidate; no financial or physical permission.
- Missing independent gates HOLD.
- Recovery does not retry uncertain external effects and cannot convert predicted data into observed evidence.

SOURCE REFERENCES

[README.md](#)

[MJ-NEURAL-L5-CONTRACT.md](#)

[decision.bangel](#)