

Purple / 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 - Syntax and typed expression

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

MJos Predictive Model / Purple

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

Chronology, units, provenance, comparability and required evidence are admitted.

Evaluate preserved model arithmetic in independent bounded workers; compare output and minority-risk gates.

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

COMPILATION BOUNDARY

Use a declared Bangel grammar profile. Elsa compiles valid source; independent JP admission checks the representation before Joanna execution. The type descriptions above are proposed contract notation, not parser-verified Bangel syntax. Do not copy historical paper module syntax into a bangel 1.0 file without an explicit adaptation.

IMPLEMENTATION OBLIGATION

Bind each listed field to actual source input and output, define missingness and units, provide positive and failure examples, and test the generated receipt. MJ authority remains separate from calculation.

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 - Syntax and typed expression

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

Bangel Language / Purple

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

Source and inputs satisfy the versioned admitted language contract.

Preserve type/unit/missingness, compile with Elsa, independently admit JP and execute with Joanna under limits.

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

COMPILATION BOUNDARY

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IMPLEMENTATION OBLIGATION

Bind each listed field to actual source input and output, define missingness and units, provide positive and failure examples, and test the generated receipt. MJ authority remains separate from calculation.

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 - Syntax and typed expression

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

BarTide / Purple

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

A request belongs to an authenticated, active tenant and has an admitted operation.

Resolve tenant identity, input shape, current version, idempotency and module-specific rules.

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

COMPILATION BOUNDARY

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IMPLEMENTATION OBLIGATION

Bind each listed field to actual source input and output, define missingness and units, provide positive and failure examples, and test the generated receipt. MJ authority remains separate from calculation.

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 - Syntax and typed expression

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

BarTide Stripe API / Purple

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

Sandbox configuration, connected account, cards-only verification and order binding are admitted.

Bind amount/currency, tenant/order/attempt, account, provider response and signed notification; reconcile provider state.

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

COMPILATION BOUNDARY

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IMPLEMENTATION OBLIGATION

Bind each listed field to actual source input and output, define missingness and units, provide positive and failure examples, and test the generated receipt. MJ authority remains separate from calculation.

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 - Syntax and typed expression

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

MJ Neural Net / Purple

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

Cue features, memory timing and known relational context pass the closed input contract.

Run bounded association; preserve missing features; compare entity/relation/context; bind independent review.

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

COMPILATION BOUNDARY

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IMPLEMENTATION OBLIGATION

Bind each listed field to actual source input and output, define missingness and units, provide positive and failure examples, and test the generated receipt. MJ authority remains separate from calculation.

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 - Syntax and typed expression

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

Neural Logic Mapping / Purple

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

An observation and first reading are preserved with context and assumptions.

Compare alternative readings across declared stages; separate observed structure from inferred intention; run bounded recovery only for a named gap.

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

COMPILATION BOUNDARY

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IMPLEMENTATION OBLIGATION

Bind each listed field to actual source input and output, define missingness and units, provide positive and failure examples, and test the generated receipt. MJ authority remains separate from calculation.

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 - Syntax and typed expression

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

MJ Memory Recall / Purple

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

Memory is available as of the query, in the same namespace/frame with authenticated provenance.

Compare cue, entity, relation, context and trajectory; hold ambiguous margin and missing context; review updates independently.

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

COMPILATION BOUNDARY

Use a declared Bangel grammar profile. Elsa compiles valid source; independent JP admission checks the representation before Joanna execution. The type descriptions above are proposed contract notation, not parser-verified Bangel syntax. Do not copy historical paper module syntax into a bangel 1.0 file without an explicit adaptation.

IMPLEMENTATION OBLIGATION

Bind each listed field to actual source input and output, define missingness and units, provide positive and failure examples, and test the generated receipt. MJ authority remains separate from calculation.

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 - Syntax and typed expression

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

Moana / Purple

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

A job has the required recorded observations and complete tasks at the current revision.

Preserve Unknown versus known zero, photo bytes and provenance; prepare/validate review; commit once against revision and operation identity.

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

COMPILATION BOUNDARY

Use a declared Bangel grammar profile. Elsa compiles valid source; independent JP admission checks the representation before Joanna execution. The type descriptions above are proposed contract notation, not parser-verified Bangel syntax. Do not copy historical paper module syntax into a bangel 1.0 file without an explicit adaptation.

IMPLEMENTATION OBLIGATION

Bind each listed field to actual source input and output, define missingness and units, provide positive and failure examples, and test the generated receipt. MJ authority remains separate from calculation.

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 - Syntax and typed expression

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

Engineering Studio / Purple

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

A selected lesson/example declares its language, expected outcome and execution capability.

Keep editable source, prediction, execution evidence and receipt separate; bind source hash/runtime/version.

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

COMPILATION BOUNDARY

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IMPLEMENTATION OBLIGATION

Bind each listed field to actual source input and output, define missingness and units, provide positive and failure examples, and test the generated receipt. MJ authority remains separate from calculation.

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 - Syntax and typed expression

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

Hagar / Water Protection / Purple

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

The purpose, inputs, units, evidence origin and current profile are declared.

Bind the source identity, compare only eligible observations, preserve uncertainty and review the evidence ceiling. Return a scoped result, HOLD for missing evidence, or DENY for a failed permission boundary.

COMPILATION BOUNDARY

Use a declared Bangel grammar profile. Elsa compiles valid source; independent JP admission checks the representation before Joanna execution. The type descriptions above are proposed contract notation, not parser-verified Bangel syntax. Do not copy historical paper module syntax into a bangel 1.0 file without an explicit adaptation.

IMPLEMENTATION OBLIGATION

Bind each listed field to actual source input and output, define missingness and units, provide positive and failure examples, and test the generated receipt. MJ authority remains separate from calculation.

EVIDENCE LIMITS

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

Pearl / DRO - Syntax and typed expression

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

Pearl / DRO / Purple

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

The purpose, inputs, units, evidence origin and current profile are declared.

Bind the source identity, compare only eligible observations, preserve uncertainty and review the evidence ceiling.

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

COMPILATION BOUNDARY

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IMPLEMENTATION OBLIGATION

Bind each listed field to actual source input and output, define missingness and units, provide positive and failure examples, and test the generated receipt. MJ authority remains separate from calculation.

EVIDENCE LIMITS

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

GIN Measurement - Syntax and typed expression

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

GIN Measurement / Purple

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

The purpose, inputs, units, evidence origin and current profile are declared.

Bind the source identity, compare only eligible observations, preserve uncertainty and review the evidence ceiling.

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

COMPILATION BOUNDARY

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IMPLEMENTATION OBLIGATION

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EVIDENCE LIMITS

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

Solar Systems - Syntax and typed expression

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

Solar Systems / Purple

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

The purpose, inputs, units, evidence origin and current profile are declared.

Bind the source identity, compare only eligible observations, preserve uncertainty and review the evidence ceiling.

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

COMPILATION BOUNDARY

Use a declared Bangel grammar profile. Elsa compiles valid source; independent JP admission checks the representation before Joanna execution. The type descriptions above are proposed contract notation, not parser-verified Bangel syntax. Do not copy historical paper module syntax into a bangel 1.0 file without an explicit adaptation.

IMPLEMENTATION OBLIGATION

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EVIDENCE LIMITS

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

Lecanto - Syntax and typed expression

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

Lecanto / Purple

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

The purpose, inputs, units, evidence origin and current profile are declared.

Bind the source identity, compare only eligible observations, preserve uncertainty and review the evidence ceiling.

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

COMPILATION BOUNDARY

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IMPLEMENTATION OBLIGATION

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EVIDENCE LIMITS

- Normalized drawings are not physical dimensions or approved coordinates.

Quantum Systems - Syntax and typed expression

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

Quantum Systems / Purple

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

The purpose, inputs, units, evidence origin and current profile are declared.

Bind the source identity, compare only eligible observations, preserve uncertainty and review the evidence ceiling.

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

COMPILATION BOUNDARY

Use a declared Bangel grammar profile. Elsa compiles valid source; independent JP admission checks the representation before Joanna execution. The type descriptions above are proposed contract notation, not parser-verified Bangel syntax. Do not copy historical paper module syntax into a bangel 1.0 file without an explicit adaptation.

IMPLEMENTATION OBLIGATION

Bind each listed field to actual source input and output, define missingness and units, provide positive and failure examples, and test the generated receipt. MJ authority remains separate from calculation.

EVIDENCE LIMITS

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

Early Works - Syntax and typed expression

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

Early Works / Purple

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

The purpose, inputs, units, evidence origin and current profile are declared.

Bind the source identity, compare only eligible observations, preserve uncertainty and review the evidence ceiling.

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

COMPILATION BOUNDARY

Use a declared Bangel grammar profile. Elsa compiles valid source; independent JP admission checks the representation before Joanna execution. The type descriptions above are proposed contract notation, not parser-verified Bangel syntax. Do not copy historical paper module syntax into a bangel 1.0 file without an explicit adaptation.

IMPLEMENTATION OBLIGATION

Bind each listed field to actual source input and output, define missingness and units, provide positive and failure examples, and test the generated receipt. MJ authority remains separate from calculation.

EVIDENCE LIMITS

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

BarTide and Tide Casa onboarding - Syntax and typed expression

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

BarTide and Tide Casa onboarding / Purple

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

Identity is verified, requested plan is admitted and no conflicting ownership exists.

Validate fields; bind user and tenant in a transaction; preserve existing ownership.

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

COMPILATION BOUNDARY

Use a declared Bangel grammar profile. Elsa compiles valid source; independent JP admission checks the representation before Joanna execution. The type descriptions above are proposed contract notation, not parser-verified Bangel syntax. Do not copy historical paper module syntax into a bangel 1.0 file without an explicit adaptation.

IMPLEMENTATION OBLIGATION

Bind each listed field to actual source input and output, define missingness and units, provide positive and failure examples, and test the generated receipt. MJ authority remains separate from calculation.

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 - Syntax and typed expression

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

BarTide ordering and menu / Purple

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

The tenant menu, fulfillment mode and quote fingerprint remain current.

Compute whole-cent totals from server data; validate quantities, capacity, requests and repeat operation identity.

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

COMPILATION BOUNDARY

Use a declared Bangel grammar profile. Elsa compiles valid source; independent JP admission checks the representation before Joanna execution. The type descriptions above are proposed contract notation, not parser-verified Bangel syntax. Do not copy historical paper module syntax into a bangel 1.0 file without an explicit adaptation.

IMPLEMENTATION OBLIGATION

Bind each listed field to actual source input and output, define missingness and units, provide positive and failure examples, and test the generated receipt. MJ authority remains separate from calculation.

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 - Syntax and typed expression

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

BarTide delivery and driver operations / Purple

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

An assigned active driver or authorized manager requests a legal transition against the current version.

Validate membership, assignment, status, reason for override and operation identity.

Record one accountable delivery transition; outstanding payment remains outstanding.

COMPILATION BOUNDARY

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IMPLEMENTATION OBLIGATION

Bind each listed field to actual source input and output, define missingness and units, provide positive and failure examples, and test the generated receipt. MJ authority remains separate from calculation.

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 - Syntax and typed expression

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

BarTide foreground delivery location / Purple

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

The current session is consensual, assigned, active and in the admitted real/simulated mode.

Bind coordinates to session, sequence, accuracy and acquisition time; recheck permissions and age.

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

COMPILATION BOUNDARY

Use a declared Bangel grammar profile. Elsa compiles valid source; independent JP admission checks the representation before Joanna execution. The type descriptions above are proposed contract notation, not parser-verified Bangel syntax. Do not copy historical paper module syntax into a bangel 1.0 file without an explicit adaptation.

IMPLEMENTATION OBLIGATION

Bind each listed field to actual source input and output, define missingness and units, provide positive and failure examples, and test the generated receipt. MJ authority remains separate from calculation.

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 - Syntax and typed expression

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

BarTide staff scheduling and training / Purple

MJos Predictive Model | First manifestation of the Bangel Language

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

The staff member is active and the acting user may manage the tenant.

Validate shift interval/non-overlap or course version/assignment; preserve source identity.

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

COMPILATION BOUNDARY

Use a declared Bangel grammar profile. Elsa compiles valid source; independent JP admission checks the representation before Joanna execution. The type descriptions above are proposed contract notation, not parser-verified Bangel syntax. Do not copy historical paper module syntax into a bangel 1.0 file without an explicit adaptation.

IMPLEMENTATION OBLIGATION

Bind each listed field to actual source input and output, define missingness and units, provide positive and failure examples, and test the generated receipt. MJ authority remains separate from calculation.

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 - Syntax and typed expression

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

BarTide customer and staff rewards / Purple

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

The evidence belongs to the correct tenant/customer and rule version.

Count admitted eligible history as of the declared time; distinguish duplicate from conflicting sources.

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

COMPILATION BOUNDARY

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IMPLEMENTATION OBLIGATION

Bind each listed field to actual source input and output, define missingness and units, provide positive and failure examples, and test the generated receipt. MJ authority remains separate from calculation.

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 - Syntax and typed expression

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

BarTide events and reservations / Purple

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

A published event and permitted capacity exist, with the current version.

Bind RSVP/check-in to event, customer, request key and capacity transaction.

Persist one reservation transition or return held/conflicting status.

COMPILATION BOUNDARY

Use a declared Bangel grammar profile. Elsa compiles valid source; independent JP admission checks the representation before Joanna execution. The type descriptions above are proposed contract notation, not parser-verified Bangel syntax. Do not copy historical paper module syntax into a bangel 1.0 file without an explicit adaptation.

IMPLEMENTATION OBLIGATION

Bind each listed field to actual source input and output, define missingness and units, provide positive and failure examples, and test the generated receipt. MJ authority remains separate from calculation.

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 - Syntax and typed expression

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

BarTide business posts and private media / Purple

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

The actor can publish the tenant's content and recipients have relevant consent.

Validate content/version, access policy, subscription binding and durable outbox identity.

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

COMPILATION BOUNDARY

Use a declared Bangel grammar profile. Elsa compiles valid source; independent JP admission checks the representation before Joanna execution. The type descriptions above are proposed contract notation, not parser-verified Bangel syntax. Do not copy historical paper module syntax into a bangel 1.0 file without an explicit adaptation.

IMPLEMENTATION OBLIGATION

Bind each listed field to actual source input and output, define missingness and units, provide positive and failure examples, and test the generated receipt. MJ authority remains separate from calculation.

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 - Syntax and typed expression

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

Stripe API - Tide Casa service billing / Purple

MJos Predictive Model | First manifestation of the Bangel Language

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

The customer accepts current terms and an unchanged quote, with the appropriate billing environment enabled. Bind checkout snapshot, account, price, method configuration and request ID; reconcile signed invoice evidence. Persist the invoice/subscription status; never treat a redirect or advisory forecast as payment.

COMPILATION BOUNDARY

Use a declared Bangel grammar profile. Elsa compiles valid source; independent JP admission checks the representation before Joanna execution. The type descriptions above are proposed contract notation, not parser-verified Bangel syntax. Do not copy historical paper module syntax into a bangel 1.0 file without an explicit adaptation.

IMPLEMENTATION OBLIGATION

Bind each listed field to actual source input and output, define missingness and units, provide positive and failure examples, and test the generated receipt. MJ authority remains separate from calculation.

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 - Syntax and typed expression

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

Tide Casa sales, referrals and launch review / Purple

MJos Predictive Model | First manifestation of the Bangel Language

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

The actor owns the sales or launch-review role and the data is current.

Track lead state and referral evidence with request keys, versions and approved workspace binding.

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

COMPILATION BOUNDARY

Use a declared Bangel grammar profile. Elsa compiles valid source; independent JP admission checks the representation before Joanna execution. The type descriptions above are proposed contract notation, not parser-verified Bangel syntax. Do not copy historical paper module syntax into a bangel 1.0 file without an explicit adaptation.

IMPLEMENTATION OBLIGATION

Bind each listed field to actual source input and output, define missingness and units, provide positive and failure examples, and test the generated receipt. MJ authority remains separate from calculation.

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 - Syntax and typed expression

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

MJ Decision Layer and recovery / Purple

MJos Predictive Model | First manifestation of the Bangel Language

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TYPED LANGUAGE BINDING

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

BINDING PROPOSAL

Required reviews, liveness, forecast and downstream gates are present and current.

Apply gate precedence, bounded rankings and progress-aware recovery with durable operation identities.

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

COMPILATION BOUNDARY

Use a declared Bangel grammar profile. Elsa compiles valid source; independent JP admission checks the representation before Joanna execution. The type descriptions above are proposed contract notation, not parser-verified Bangel syntax. Do not copy historical paper module syntax into a bangel 1.0 file without an explicit adaptation.

IMPLEMENTATION OBLIGATION

Bind each listed field to actual source input and output, define missingness and units, provide positive and failure examples, and test the generated receipt. MJ authority remains separate from calculation.

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](#)