

Projects have:

- Developers [M:M]
- Requirements [1:M]
- Deliverables [1:M]
- Quotes [1:M]
- Proposals [1:M]
- Development Phases [1:M]
- Development Iterations [1:M]
- Milestones [1:M]
- A client [M:1]
- Artefacts (physical files) [1:M]
- Options that define a combination of deliverables [M:1]
- Title, description, start date, finish date, status [presales, planning, development, uat, beta, live, snagging, archived, cancelled]

Requirements have:

- Code ,name, note, status [proposed, confirmed, implemented, abandoned], complexity scope [minutes, hours, days, complex, research]
- Priority (MoSCoW)
- Requirements are satisfied by Deliverables [M:1]
- Requirements are developed in Iterations [M:1]
- Requirements are grouped in functionality in Phases [M:1]
- Requirements are assigned to Developers [M:M]
- Requirements are satisfied against Milestones [M:M]
- Requirements can be catalogued in proposals [M:M]
- Development Rate
- Can have parent-child relationship
- Requirements can be supported by Artefacts [M:M]

Deliverables have:

- Name, description, status [modelled, prototyped, tested, released, snagging], development timeframe [minutes, hours, days, weeks, months], developmentCost, developmentTime (this is a refinement of the timeframe - which may not be known in the early stages)
- Deliverables are composed of Requirements [1:M]
- Deliverables are released in Phases [1:1]
- Deliverables are developed in Iterations by Developers [M:M]
- Deliverables are deployed against Milestones [1:1]
- Deliverables have costs and appear on Quotes [M:M] and in Proposals [M:M]
- Deliverables have options against which they are costed [M:M]
- Deliverables can be associated with Artefacts [M:M]

Phases have:

- Code, title, description
- Phases comprise a number of Deliverables
- Phase releases satisfy a set of Requirements
- Phases group 1 or more development Iteration
- Phases group deliverables for granular costing
- Phase descriptions are present in Proposals
- Phases may contain Milestones

Iterations have:

- Code, title, start, end dates
- Iterations occur in Phases
- Iterations culminate in the release of Deliverables
- Iterations control the activities of Developers
- Iterations satisfy one or more Requirements

Proposals:

- Title, description, date, status [new, sent, quoted, accepted, rejected, in development, released]
- Log actions (date sent, date quoted, date accepted etc)
- Can lead to the creation of Quotes
- May incorporate a set of reusable Artefacts
- Aggregate Phases that each describes a set of Deliverables that satisfy a catalogue of Requirements

Quotes:

- id, title, creator, totalCost, totalTime, status [unsent, sent, approved, invoiced, paid, rejected]
- Aggregate a number of Deliverables
- Are sent in the context of a proposal that helps the client understand the deliverables and their costs

Options:

- label, description, display_order, recommended
- Aggregate deliverables [M:M] - through deliverable_option

Artefacts:

- label,description, filename, filesize, filetype
- Artefacts belong to Projects [M:1]
- Artefacts can be attached to Deliverables [M:M] and Requirements [M:M]

Everything has Tags

Phases:

- Presales
- Planning
- Development
- UAT
- Beta
- Live
- Snagging
- Archived
- Cancelled