

Mini-milestones

Incremental Deliverable 1

Completion Goal	Binary Mini-milestones
Initial source code	<ul style="list-style-type: none">- Source code with rough outline of GUI is committed and compiles- Reviewed by at least two people
Continuous integration	<ul style="list-style-type: none">- Everyone understands how the build pipeline works and is familiar with GitFlow
Smoke tests	<ul style="list-style-type: none">- Smoke testing process determined by test lead- Smoke testing framework decided by test lead- Process and framework reviewed by build master- Approved by build master and committed
Mini-milestones	<ul style="list-style-type: none">- Minimum one binary mini-milestones written up for each goal- Reviewed by the PM- Committed to document's folder
Risk report/list of risks	<ul style="list-style-type: none">- The risk manager has compiled a list of risks- Risk manager has created either mitigation or contingency plans for top 10 risks- This document has been reviewed by at least two people including the PM and committed.- Document is ready for submission (formatted, edited, spell checked)
Requirements Document	<ul style="list-style-type: none">- Stakeholder has clarified and approved requirements- Requirements adjusted to fit stakeholder needs- Complete the requirements document; writing, formatting and two reviews for the entirety of the document.
Team person roles	<ul style="list-style-type: none">- Team roles have been written up, reviewed by the PM and committed
Reviews	<ul style="list-style-type: none">- Reviews and rubric are written

	<ul style="list-style-type: none"> - One formal review completed - Reviewers and reviewee sign off on the review and it is pushed to git.
Stakeholder meetings	<ul style="list-style-type: none"> - A document with meeting minutes for every meeting with the stakeholders has been compiled - It is pushed to git.
Prototyping and Discovery	<ul style="list-style-type: none"> - Spike prototypes created and results reported - Issues arisen during prototyping are raised to group either in a meeting or over slack
Existing/planned tests	<ul style="list-style-type: none"> - General testing matrix created - Test matrix reflects multiple tier of testing, from requirements testing, integration testing, and unit testing - Test matrix is committed
GUI Mockups	<ul style="list-style-type: none"> - Multiple GUI design options shown to the stakeholder - Stakeholder reviewed and confirmed GUI was on the correct path - GUI revised to meet stakeholder critique
Plan to achieve next milestone	<ul style="list-style-type: none"> - Mini-milestones written up, reviewed and edited - Reviewed by two people including the PM - Committed to github
Activity Log	<ul style="list-style-type: none"> - Each individual has entered their estimated and real time commitments for each section of the project on the google sheet.

ID1 Presentation

Goal	Binary Mini-milestone
Create Presentation	<ul style="list-style-type: none"> - Complete the slide show, including styling, text and all talking points written up - Have two people (not presenting) review slide show for missing/incorrect information and ambiguities

Give Presentation	<ul style="list-style-type: none"> - Have 1-2 practice sessions of the presentation - Have one practice session with at least one other team mate observing and asking questions
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Incremental Deliverable 2

Goal	Binary Mini-milestones
Continuous Team Improvement	<ul style="list-style-type: none"> - Post mortem done of ID1. This includes where we failed and where we succeeded, and a plan on how the team will improve the process and workflow.
Updated planning	<ul style="list-style-type: none"> - All changes to requirements document have been written up, reviewed and pushed to the master branch - Document has been reviewed by at least two people including the PM and committed. - Document is ready for submission (formatted, edited, spell checked)
Design Analysis	<ul style="list-style-type: none"> - General architecture designed - Architecture critiqued and revised by at least two people - UML and class diagrams wireframed, reviewed by two people and committed
Updated Risk Analysis	<ul style="list-style-type: none"> - The risk manager has compiled a new list of risks - Risk manager has created either mitigation or contingency plan for top 10 risks - This document has been reviewed by at least two people including the PM and committed. - Document is ready for submission (formatted, edited, spell checked)
Testing	<ul style="list-style-type: none"> - Tests designed for requirements testing - Smoke tests designed - Automated testing configured and working with continuous integration - All team members have automated testing software set up and working in their development environment

	<ul style="list-style-type: none"> - Tests designed for integration testing - Tests designed for unit testing - Tests implemented for unit testing - Tests implemented for integration testing - Tests implemented for smoke testing - Tests implemented for requirements testing
Testing Report and Analysis	<ul style="list-style-type: none"> - Test lead compiles a document of all integration and system testing done as well as the results. This report includes information about failure rates, reliability rates, known bugs and their severity, test coverage, and a roadmap for improvement. - Document has been reviewed by at least two people including the PM and committed. - Document is ready for submission (formatted, edited, spell checked)
Latest measurements of software quality	<ul style="list-style-type: none"> - Results of all completed code reviews are committed to the reviews folder on github - Every reviewer and reviewee has signed off on their reviews - Each individual has entered their estimated and real time commitments for each section of the project on the google sheet.
Code Completion	<ul style="list-style-type: none"> - Stubs with preconditions and postconditions written - Mocks/Fakes created - Mini-milestones for functional components (committed/approved/merged): <ul style="list-style-type: none"> - Uploading files functionality - Adding timelines - Interval data support - Discrete event support - Quantified Interval support - General quantified point support - Every function has up-to-date pre-conditions, post-conditions and a purpose documented - Unit tests are written and committed with documentation of which piece of code each are testing - Code passes unit and smoke tests

Continuous Integration	<ul style="list-style-type: none">- The pipeline on each push:<ul style="list-style-type: none">- Compiles source code automatically- Performs static analysis on source code- Builds Docker image and pushes to docker hub- Notifies slack of failures
Indicate in detail what is planned to accomplish between now and the next milestone.	<ul style="list-style-type: none">- A comprehensive list of needs for next deliverable is compiled.- List was reviewed by at least two people including the PM- Documentation is committed and ready for submission