PointMap
A Geospatial Mapping Tool

Project Plan Document

Document Drafted By:

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Introduction

This Project Plan is intended to formally outline the development team's schedule for implementation tasks as well as the corresponding milestones for each development phase while outlining functional dependencies for each feature. In addition to this, we will provide a budget dependent on the time required of each developer. The schedule is subject to change depending on future circumstances.

Risk Management

This section will document how the team will respond to big changes to scope, budget, and scheduling. Any changes that alter scope, budget, and/or scheduling more than 10%, as determined by the team, will require renegotiation with the client to address these changes and come to an agreement.

Scope Creep

Additions to the scope of the project will be discussed with the team. This discussion will decide whether the amount of work can be absorbed into the remaining sprints so the project will be completed on time. If the additional work cannot be completed within the reaming sprints, then the team has to come to an agreement with the client about what changes to make to either keeps the scope the same by cutting or postponing another feature, adding more budget for more hours, or scheduling more team members to complete the project.

Budget Changes

Budget cuts by the client will require a team discussion to see if the remaining work can be completed with less budget. This discussion will decide whether the smaller budget will impede access to the needed software/hardware requirements of the project and whether the smaller budget will mean that either the team must be reduced in size or be required to work fewer hours. If the smaller budget means that the team cannot complete the work in the correct amount of time or that the smaller budget will impede access to necessary software/hardware, then the team must negotiate with the client and resolve these issues.

Scheduling

Scheduling changes by the client will require a team discussion to see if the schedule changes are feasible. If the changes, such as reordering of deliverables, can be completed without impact to any dependencies, the schedule will be changed according to client needs. If the changes cannot be completed in the order requested by the client, the team will meet with the client to address the schedule issues. Scheduling changes by any member of the team (a

member of the team leaving, a new member arriving, or any sudden change in an individual's schedule), will require a team meeting to discuss the impact of these changes. If the changes to the schedule require significant reworking of the schedule, the team must meet with the client and address these changes.

Project Schedule

The project schedule section shows how the project is scheduled and broken down into sprints and milestones.

Gantt Chart

The Gantt chart gives the breakdown of the features within the sprints.
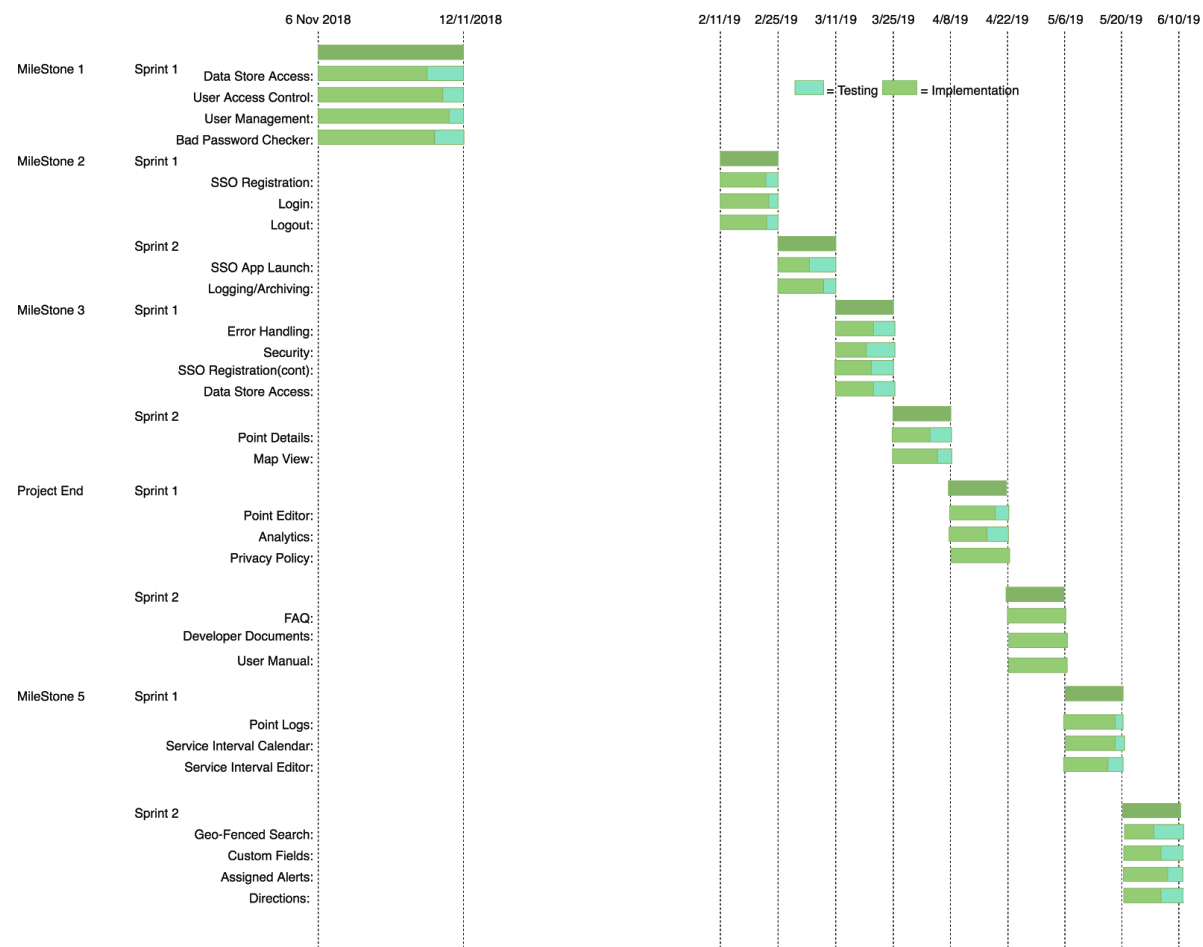
Project Roadmap

The project roadmap shows which tasks will completed by each milestone.

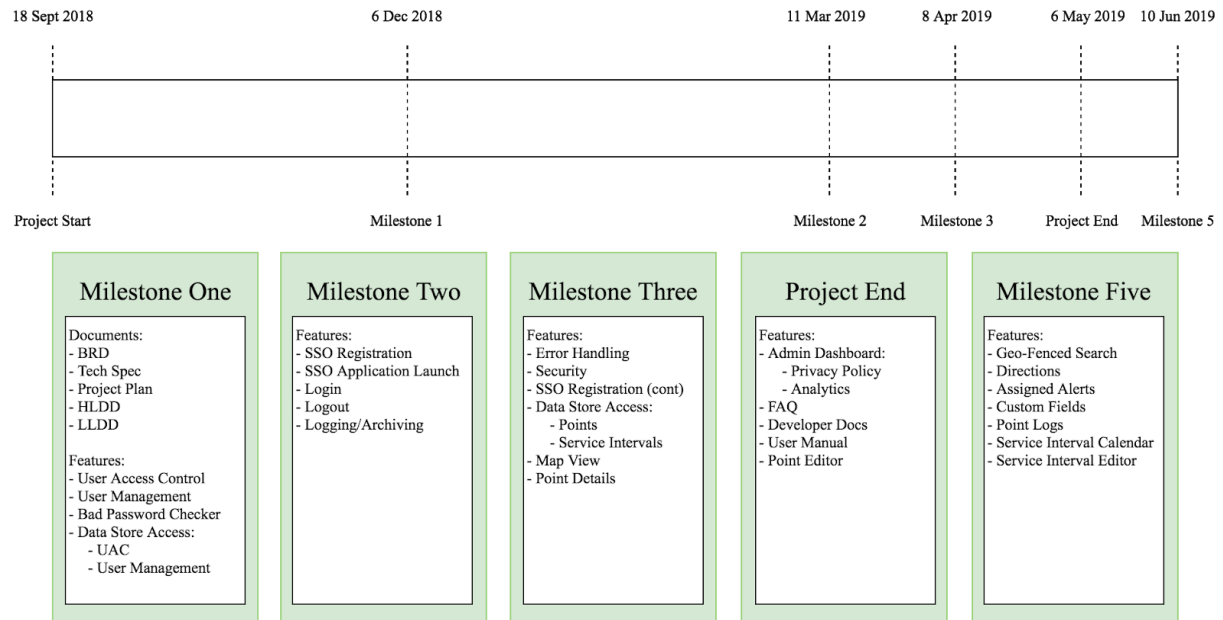| 18 Sept 2018	6 Dec 2018	11 Mar 2019	8 Apr 2019	6 May 2019	10 Jun 2019
Project Start	Milestone 1	Milestone 2	Milestone 3	Project End	Milestone 5

Milestone One

Documents:
- BRD
- Tech Spec
- Project Plan
- HLDD
- LLDD

Features:
- User Access Control
- User Management
- Bad Password Checker
- Data Store Access:
    - UAC
    - User Management

Milestone Two

Features:
- SSO Registration
- SSO Application Launch
- Login
- Logout
- Logging/Archiving

Milestone Three

Features:
- Error Handling
- Security
- SSO Registration (cont)
- Data Store Access:
    - Points
    - Service Intervals
- Map View
- Point Details

Project End

Features:
- Admin Dashboard:
    - Privacy Policy
    - Analytics
- FAQ
- Developer Docs
- User Manual
- Point Editor

Milestone Five

Features:
- Geo-Fenced Search
- Directions
- Assigned Alerts
- Custom Fields
- Point Logs
- Service Interval Calendar
- Service Interval Editor

Budget

All estimates for the budget are at a rate of $50 an hour. All time will be donated and there is no final cost associated with PointMap. The expected team to work on the project has five members working for the project duration, with each member being available for 6-7 hours per week. This means that each week 30-35 hours of work should be able to be completed.

Budget Breakdown	Estimated Development Hours	Estimated Testing Hours	Estimated Hours	Labor Cost
Milestone 1 Features (6 Nov 2018 - 6 Dec 2018)				
Password Checker	8	2	10	$500.00
User Access Control	30	5	35	$1,750.00
User Management	45	5	50	$2,500.00
Data Store Access(UAC and User Management)	15	5	20	$1,000.00
Milestone 1 Total	98	17	115	$5,750.00
Milestone 2 Features (11 Feb 2018 - 11 Mar 2019)				
SSO - App Launch Login	32	30	62	$3,100.00
SSO - Registration(New User)	32	18	50	$2,500.00
Login	5	2	7	$350.00
Logout	13	2	15	$750.00
Logging/Archiving	20	10	30	$1,500.00
Milestone 2 Total	102	62	164	$8,200.00
Milestone 3 Features (12 Mar 2019 - 8 Apr 2019)				
Error Handling	15	5	20	$1,000.00
Security	10	15	25	$1,250.00
Data Store Access(Points, Service Intervals)	6	2	8	$400.00
SSO - Registration(Existing User)	8	5	13	$650.00
Point Details	15	5	20	$1,000.00
Map View	25	10	35	$1,750.00
Milestone 3 Total	79	42	121	$6,050.00
Milestone 4 Features (9 Apr 2019 - 6 May 2019)				
Analytics - Admin Dashboard	35	10	45	$2,250.00
Privacy Policy - Admin Dashboard	13	2	15	$750.00
User Manual	18	2	20	$1,000.00
Point Logs	20	10	30	$1,500.00

FAQ	6	2	8	$400.00
Developer Docs	13	2	15	$750.00
Point Editor	20	5	25	$1,250.00
Milestone 4 Total (Project End)	125	33	158	$7,900.00
Milestone 5 Features (7 May 2019 - 10 Jun 2019)				
Custom Fields - Admin Dashboard	20	15	35	$1,750.00
Assigned Alerts	20	15	35	$1,750.00
Directions	40	15	55	$2,750.00
Geo-Fenced Search	35	10	45	$2,250.00
Service Interval Calendar	20	5	25	$1,250.00
Service Interval Editor	25	10	35	$1,750.00
Milestone 5 Total	160	70	230	$1,750.00
Technology Costs				
AWS EC2	--	--	--	$115.20
Pivotal Tracker	--	--	--	$120.00
Slack	--	--	--	$0.00
Google Drive	--	--	--	$0.00
VS Code	--	--	--	$0.00
Visual Studio	--	--	--	$0.00
.NET	--	--	--	$0.00
Draw.io	--	--	--	$0.00
Google Maps	--	--	--	$0.00
G-Suite	--	--	--	$50.00
Total Technology Cost	--	--	--	$285.20
Project Development Total (Milestones 1-4)	564	224	788	$29,650.00
Additional Features Development Total (Milestone 5)	160	70	230	$1,750.00
Total Development	724	294	1018	$31,400.00
Donated Time and Hours			1018	$31,400.00
Total Required Project Resources			1018	$285.20