MEet and You

Brent Nishioka (Leader)
Gideon Essel
Joshua Ramos
Raymond Guevara
Vivian Dinh
Team Pentaskilled
October 27th, 2021

Table of Contents

Budget **2**

Risk Management **3**

Project Level Risks 3

Iteration/Sprint level Risks 4

Project Roadmap **6**

Developer Timeline (Simplified) **6**

Developer Timeline (Detailed) **7**

Budget

Resource	Cost	Explanation
Cloud	$0.00	We will be using the AWS free tier for cloud. Products are indefinitely free or 12 months free. Cloud consists of deployment, testing, data storage, web server, security, etc.
Developer Team	$0.00	No cost required. The developer team will be developing at no cost.
Maintenance	$0.00	No cost required. The developer team will perform maintenance at no cost.
Miscellaneous	$0-$100	Minor costs that are unrelated to the resources above. *e.g.* Buying a domain is considered miscellaneous.
Total	$0-$100	

Risk Management

Project Level Risks

1. Project grows beyond original expectations

   Mitigation: In order to minimize scope creep, team members must thoroughly understand the project requirements and make sure these requirements align with the client. Team members must also create a detailed project plan and uphold the plan during the duration of the project. Discuss how any change would affect the project plan and create a plan on how to tackle any changes to the scope of the project.

2. Misunderstanding of project requirements and vision between client and developers

   Mitigation: Get feedback from the client to gain clear definitions of the project requirements and vision. Getting constant feedback from the client improves project clarity and ensures progress is made in the right direction.

3. Product does not meet client expectation

   Mitigation: Involve the client throughout every necessary step of development and make sure to fully understand the client's expectations and requirements.

4. Not sticking to/lack of understanding of agile principles

   Mitigation: Educate team members on agile principles and make sure everyone is on the same page with the principles of an agile software development process.

Iteration/Sprint level Risks

1. Spending more than allocated budget

   Mitigation: Once all requirements are thoroughly discussed, the team recalculates the cost of completing the requirements to make the cost as accurate as possible. The team negotiates with the client to find the best solution that fits the client's needs and requirements.

2. Team members are unable to complete a task or work item due to time, class constraints, or unforeseen personal circumstances

   Mitigation: To accommodate for a team member's inability to complete a work item, the team needs to reallocate tasks to other capable team members to ensure the work gets completed.

3. Inability to accommodate changing requirements in the project

   Mitigation: Involve the client for feedback during each stage of the development process. Design a product backlog that can accommodate for changes or client feedback.

4. Developers become blocked and unable to continue on a work item

   Mitigation: The Scrum master will aid in finding applicable resources to alleviate the obstacle. Assigning additional team members may be necessary to make progress on the work item.

5. Features grow beyond the expected scope due to increasing complexity

   Mitigation: Team members must discuss the complexity of each feature in great detail before committing to developing the feature. In order to combat increasing complexity, lessen specific functionalities of a feature until it is within scope. Reprioritize by removing features as a last resort if exclusions are approved by the client.

6. Poor code quality to achieve sprint goals

   Mitigation: If the task is achievable but the code is poor, then ask the team for help on how to refine the code. If the task is NOT achievable, being straightforward and asking the team for help is still advised. If possible, do not take on tasks that are unachievable within the sprint timeline.

7. Setting unrealistic timelines/deadlines for work items

   Mitigation: Thoroughly discuss work item details and requirements in order to fully understand the amount of time required for the timelines/deadlines. Outline these details to make them as granular as possible in order to set realistic timelines.

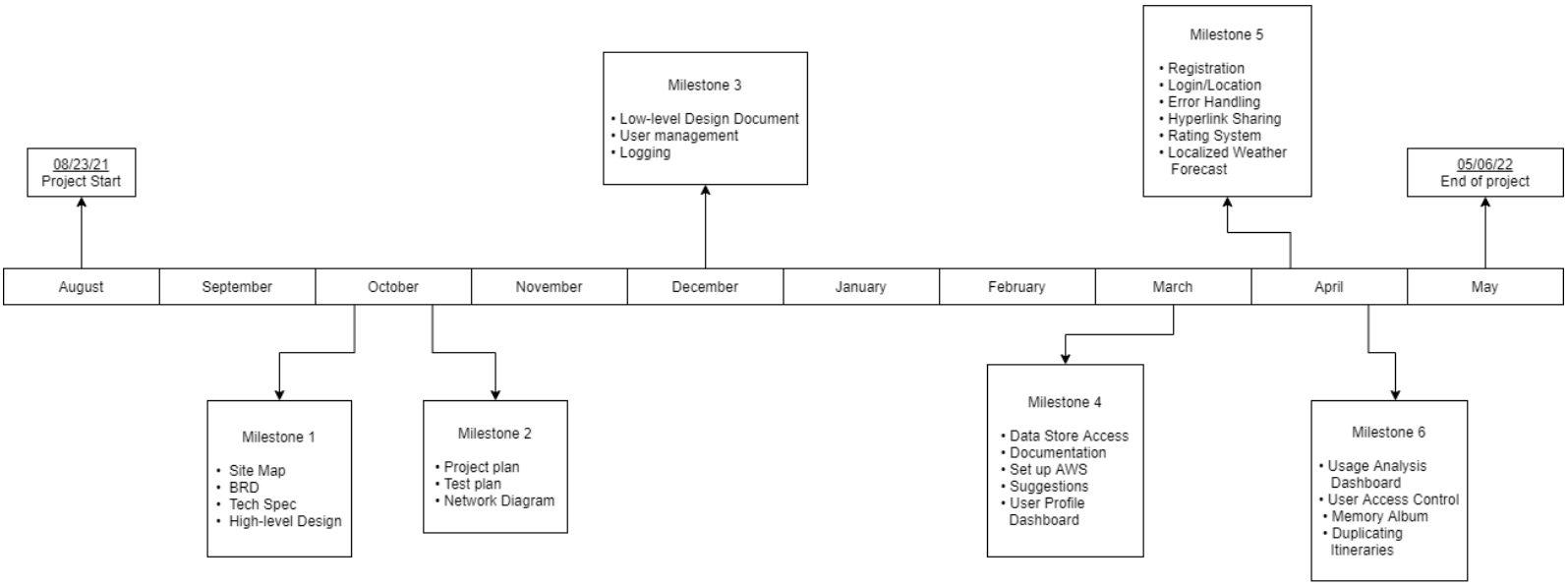
8. Falling behind expected schedule for tasks or work items

   Mitigation: Update and refine the sprint backlog daily to see if the team is falling behind schedule as soon as possible. Adjust the plan for the sprint accordingly to identify if the team is ahead of schedule or behind schedule. Increase volatility in order to get more work accomplished to meet the expected schedule.

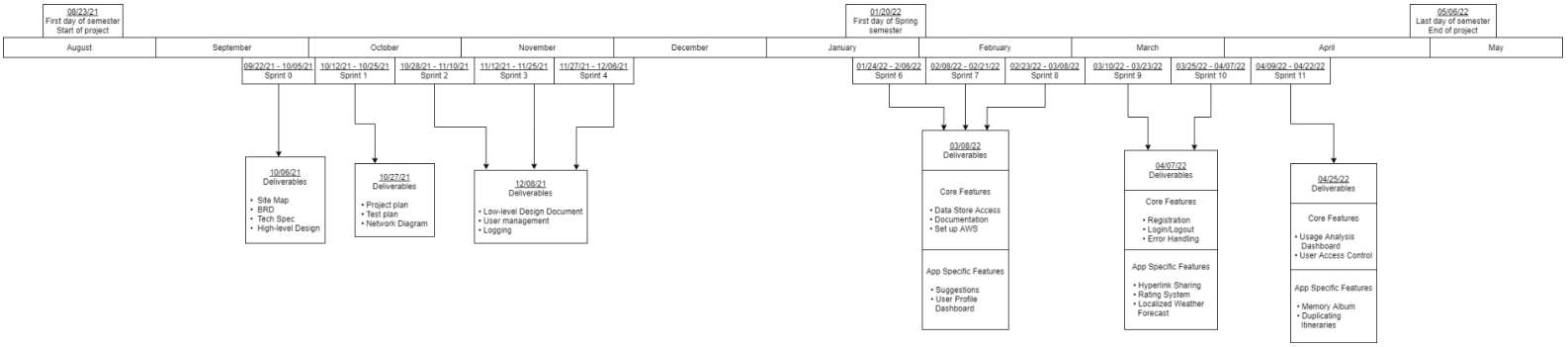
9. A team member does not have the required knowledge or background to complete their tasks.

   Mitigation: Be transparent to the teammates about what you can realistically handle and complete. Do not be afraid to ask team members for help with confusing concepts.

Project Roadmap



Developer Timeline (Simplified)



Developer Timeline (Detailed)

Phase	Deliverable	Task Name	Start Date	End Date	Task Description	Task Duration	Assigned To
Project Proposal	Project Proposal	Product Name and Description	09/09/2021	09/10/2021	List name of product and provide description	1 hrs	Brent, Gideon, Joshua, Raymond, Vivian
		App-Specific Features	09/10/2021	10/02/2021	Describes functionalities of our application	13 hrs	Brent, Gideon, Joshua, Raymond, Vivian
		Target Audience	09/11/2021	09/12/2021	States intended user demographic	1 hrs	Brent, Gideon, Joshua, Raymond, Vivian
		Pain Point	09/12/2021	09/13/2021	Describes how product resolves problems faced by consumers in marketplace	1 hrs	Brent, Gideon, Joshua, Raymond, Vivian
		Product Value	09/14/2021	09/15/2021	Describes consumer benefits from using product	2 hrs	Brent, Gideon, Joshua, Raymond, Vivian
		Product Vision	09/16/2021	09/17/2021	Describes long-term mission of product	2 hrs	Brent, Gideon, Joshua, Raymond, Vivian
		Product Competitors	09/18/2021	09/19/2021	Lists competitors of product	2 hrs	Brent, Gideon, Joshua, Raymond, Vivian
		Product Uniqueness	09/20/2021	09/21/2021	Describes how product differs from competition	2 hrs	Brent, Gideon, Joshua, Raymond, Vivian
		Project Scope	09/26/2021	09/28/2021	Describes high-level exclusions and constraints of project	3 hrs	Brent, Gideon, Joshua, Raymond, Vivian
Sprint 0	Tech Spec	Purpose	09/22/2021	09/23/2021	Describes the function and use of the tech spec	1 hrs	Gideon
		IDE	09/28/2021	10/05/2021	List of IDEs and their pros and cons	1 hrs	Gideon
		Programming Languages	09/28/2021	10/05/2021	List of programming languages and their pros and cons	1 hrs	Gideon
		Browser	09/28/2021	10/05/2021	List of browsers and their pros and cons	1 hrs	Gideon
		Web Server	09/28/2021	10/05/2021	List of web servers and their pros and cons	1 hrs	Gideon
		Database Management System	09/28/2021	10/05/2021	List of database mangement systems and their pros and cons	1 hrs	Gideon
		Front End Languages	09/28/2021	10/05/2021	List of front end languages and their pros and cons	1 hrs	Gideon
		Frameworks(Front/Back End)	09/28/2021	10/05/2021	List of frameworks and their pros and cons	1 hrs	Gideon
		Version Control Repository	10/01/2021	10/05/2021	List of VCS and their pros and cons	1 hrs	Gideon
		Version Control	10/01/2021	10/05/2021	List of version controls and their pros and cons	1 hrs	Gideon
		Diagram/Modeling	10/01/2021	10/05/2021	List of diagram/modeling sites and their pros and cons	1 hrs	Gideon
		Security	10/01/2021	10/05/2021	List of security protocols and their pros and cons	1 hrs	Gideon
	Site Map	Homepage	09/22/2021	9/22/2021	Design homepage of site map where user would enter the location, date, and radius of to plan in	1 hrs	Vivian
		Itinerary Creation	09/23/2021	09/23/2021	Design itinerary creation page where user would see suggested events and add categories	4 hrs	Vivian
		Event Details	09/24/2021	09/26/2021	Design event details page where user would choose a specific event and time	7 hrs	Vivian
		Account Settings	09/26/2021	9/28/2021	Design account settings page with edit profile, notification settings, privacy and security, and change password options	8 hrs	Vivian
		User Profile Dashboard	09/29/2021	09/30/2021	Design user profile dashboard where user would view recent favorite, and all itineraries with basic user info	8 hrs	Vivian
		Sign-In/Create Account	10/01/2021	10/03/2021	Design Sign-In/Create account wireframe	6 hrs	Vivian
	BRD	Introduction	09/22/2021	09/22/2021	Describe background, project scope, in/out of scope	2 hrs	Joshua, Raymond
		Core Feature Requirements	09/23/2021	09/29/2021	Describe funtional/non-functional requirements of core features	15 hrs	Joshua, Raymond
		App-specific Requirements	09/30/2021	10/05/21	Describe funtional/non-functional requirements of app-specific features	13 hrs	Joshua, Raymond
		Glossary	10/05/21	10/05/21	List of specific terms/abbreviations in BRD	1 hrs	Joshua, Raymond
	High Level Design	Purpose & Scope	09/22/2021	09/24/21	Brief explanation of the HL design's significance and its intended use	1 hrs	Brent
		Software Architecture Diagram	09/24/2021	10/04/21	Graphical representation of our system	7 hrs	Brent
		General Overview	09/23/2021	09/24/21	Short description of the software architecture diagram	1 hr	Brent
		Layer Descriptions	09/25/2021	10/04/21	Describes the functionality of each specified layer in our system	4 hrs	Brent
		Architecture Advantages/Disadvantages	10/02/2021	10/05/21	Benefits and drawbacks of utilizing different system architectures	2 hrs	Brent
Sprint 1	Test Plan	Test Scope	10/12/21	10/12/21	The scope the test plan falls within		Gideon
		General Test Policy	10/12/21	10/12/21	Description of different phases of testing development		Gideon
		Datastore Access	10/12/21	10/12/21	Description of various pass/fail scenarios in testing the datastore access	4 hrs	Gideon
		Logging/Archiving	10/12/21	10/12/21	Description of various pass/fail scenarios in testing the logging/archiving		Gideon
		Login	10/12/21	10/18/21	Description of various pass/fail scenarios in testing login	2 hrs	Raymond
		Logout	10/12/21	10/18/21	Description of various pass/fail scenarios in testing the logout		Raymond
		User Access Controls	10/13/21	10/13/21	Description of various pass/fail scenarios in testing the datastor		Gideon
		User Management	10/13/21	10/13/21	Description of various pass/fail scenarios in testing the user management	2 hrs	Gideon
		Registration	10/14/21	10/14/21	Description of various pass/fail scenarios in testing the registration	2.5 hrs	Gideon
		Usage Analysis Dashboard	10/19/21	10/19/21	Description of various pass/fail scenarios in testing the user analysis dashboard		Gideon
		Duplicating Itineraries	10/19/21	10/19/21	Description of various pass/fail scenarios in testing the duplicating of itineraries		Raymond
		Hyperlink Sharing	10/19/21	10/19/21	Description of various pass/fail scenarios in testing the hyperlink sharing	2.5 hrs	Raymond
		Localized Weather Forecast	10/19/21	10/19/21	Description of various pass/fail scenarios in testing the localized weather forecast		Gideon
		Rating Systems	10/19/21	10/19/21	Description of various pass/fail scenarios in testing the rating systems		Gideon
		Memory Album	10/20/21	10/20/21	Description of various pass/fail scenarios in testing the memory album	2 hrs	Raymond
		User Profile Dashboard	10/20/21	10/22/21	Description of various pass/fail scenarios in testing the user profile dashboard	3 hrs	Gideon
		Suggestions	10/20/21	10/23/21	Description of various pass/fail scenarios in testing the suggestions feature	2 hrs	Raymond
	Project Plan	Risk management	10/12/2021	10/13/2021	Analyze risks associated with project and how to mitigate risks	3 hrs	Joshua, Vivian
		Project Roadmap (Client)	10/16/2021	10/16/2021	Create timeline of milestones for client	1 hrs	Joshua, Vivian
		Developer Timeline (Simplified)	10/16/2021	10/16/2021	Create simplified developer timeline for due dates of milestones and deliverables	2 hrs	Brent, Joshua, Vivian
		Developer Timeline (Detailed)	10/16/2021	10/18/2021	Create excel sheet with detailed information on due dates of milestones and tasks	5 hrs	Brent, Gideon, Joshua, Raymond, Vivian
		Budget	10/20/2021	10/20/2021	Set a budget for the project	1 hrs	Joshua, Vivian
		Time cost estimates	10/21/2021	10/21/2021	Create table of estimated times for deliverables	2 hrs	Joshua, Vivian
		Team background	10/22/2021	10/22/2021	Write background of teammates with their strengths	1 hrs	Joshua, Vivian
	Network Diagram	Research	10/12/21	10/16/21	Investigate various components of networks for our system	3 hrs	Brent
		Planning Diagram	10/12/21	10/18/21	Brainstorming designs for network diagram layout	4 hrs	Brent
		Creating Diagram	10/18/21	10/25/21	Compile the different components involved in network diagram	5 hrs	Brent
		Creating Descriptions based on diagram	10/20/21	10/25/21	Short excerpt of how the network diagram will function	3 hrs	Brent
Sprint 2	Low-Level Design Document	Design LL document	10/28/21	11/10/21	Design specific overview of project implementation	15 hrs	Brent
	User Management	Coding implementation	10/28/21	11/10/21	Implement account deletion/lock/unlock	28 hrs	Vivian, Josh
	Logging	Coding implementation	10/28/21	11/10/21	Error logging and telemetry logging	20 hrs	Gideon, Raymond
Sprint 3	Low-Level Design Document		11/12/21	11/25/21	Specific overview of project implementation	15 hrs	Brent
	User Management	Coding implementation	11/12/21	11/25/21	Implement account deletion/lock/unlock	28 hrs	Vivian, Josh
	Logging	Coding implementation	11/12/21	11/25/21	Error logging and telemetry logging	20 hrs	Gideon, Raymond
Sprint 4	Low-Level Design Document		11/27/21	12/6/21	Specific overview of project implementation	15 hrs	Brent
	User Management	Coding implementation	11/27/21	12/6/21	Implement account deletion/lock/unlock	28 hrs	Vivian, Josh
	Logging	Coding implementation	11/27/21	12/6/21	Error logging and telemetry logging	20 hrs	Gideon, Raymond
Sprint 6	Data Store Access	Coding implementation	1/24/22	2/6/22	Create connection to a store of data and how its accessed	15 hrs	Brent, Vivian, Josh
	Documentation	User/Developer Documentation	1/24/22	2/6/22	Design Developer Docs, FAQ, & User Manual	10 hrs	Vivian, Josh
	Set up AWS	Server Configuration	1/24/22	2/6/22	Set up amazon web services for cloud computing and API access	15 hrs	Brent
	Suggestions	Coding implementation	1/24/22	2/6/22	Develop suggestions feature of project	35 hrs	Gideon, Raymond
	User Profile Dashboard	Coding implementation	1/24/22	2/6/22	Develop dashboard featuring recent, all, favorite itineraries along with basic user info	20 hrs	Gideon, Raymond

Sprint 7	Data Store Access	Coding implementation	1/24/22	2/6/22	Create/Delete/Update/Read for database	15 hrs	Brent, Vivian, Josh
	Documentation		1/24/22	2/6/22	Design Developer Docs, FAQ, & User Manual	10 hrs	Vivian, Josh
	Suggestions	Coding implementation	1/24/22	2/6/22	Develop suggestions feature of project	25 hrs	Gideon, Raymond, Brent
	User Profile Dashboard	Coding implementation	1/24/22	2/6/22	Develop dashboard featuring recent, all, favorite itineraries along with basic user info	20 hrs	Raymond, Gideon
Sprint 8	Data Store Access	Coding implementation	1/24/22	2/6/22	Create/Delete/Update/Read for database	15 hrs	Brent, Vivian, Josh
	Documentation		1/24/22	2/6/22	Design Developer Docs, FAQ, & User Manual	10 hrs	Vivian, Josh
	Suggestions	Coding implementation	1/24/22	2/6/22	Develop suggestions feature of project	25 hrs	Gideon, Raymond, Brent
	User Profile Dashboard	Coding implementation	1/24/22	2/6/22	Develop dashboard featuring recent, all, favorite itineraries along with basic user info	20 hrs	Raymond, Gideon
Sprint 9	Registration	Coding implementation	3/10/22	3/23/22	Implement feature to allow user to register for an account	15 hrs	Vivian
	Login/Logout	Coding implementation	3/10/22	3/23/22	Implement login/logout sessions for web application	30 hrs	Brent
	Error Handling	Coding implementation	3/10/22	3/23/22	Create exceptions for client and server side errors	30 hrs	Gideon
	Hyperlink Sharing	Coding implementation	3/10/22	3/23/22	Implement hyperlink sharing feature	20 hrs	Joshua
	Rating System	Coding implementation	3/10/22	3/23/22	Implement rating system on itineraries and ensure low rated events will not be suggested anymore	25 hrs	Raymond
	Localized Weather Forecast	Coding implementation	3/10/22	3/23/22	Develop weather forecast system for suggested events	25 hrs	Vivian
Sprint 10	Registration	Coding implementation	3/25/22	4/7/22	Implement feature to allow user to register for an account	15 hrs	Vivian
	Login/Logout	Coding implementation	3/25/22	4/7/22	Implement login/logout sessions for website	30 hrs	Brent
	Error Handling	Coding implementation	3/25/22	4/7/22	Create exceptions for client and server side errors	30 hrs	Gideon
	Hyperlink Sharing	Coding implementation	3/25/22	4/7/22	Implement hyperlink sharing feature	20 hrs	Joshua
	Rating System	Coding implementation	3/25/22	4/7/22	Implement rating system on itineraries and ensure low rated events will not be suggested anymore	25 hrs	Raymond
	Localized Weather Forecast	Coding implementation	3/25/22	4/7/22	Develop weather forecast system for suggested events	25 hrs	Vivian
Sprint 11	Usage Analysis Dashboard	Coding implementation	4/9/22	4/22/22	Develop statistical overview of web application	30 hrs	Vivian, Josh
	User Access Control	Coding implementation	4/9/22	4/22/22	Implement function/data restrictions for web application	60 hrs	Gideon, Raymond, Brent
	Memory Album	Coding implementation	4/9/22	4/22/22	Implement memory album feature allowing users to upload up to 10 pictures associated with an itinerary	40 hrs	Vivian, Josh
	Duplicating Itineraries	Coding implementation	4/9/22	4/22/22	Implement duplicating itinerary feature	30 hrs	Gideon, Raymond, Brent