Project Plan

Team Number: 11

Team Member Names: Chia-Hua, Chang; Bin Hu; Zhiqun, Xie;

Team Name: Group 11

Date: 25 May 2024

Project Goal

Develop a website that can help provincial parks maintain their hiking trails by providing a reservation system for backpackers to preserve the quality of trails and natural resources. In addition, the application can be replicated for other provincial parks that gain additional revenue.

Success metrics

1. Load time:
   Time to first byte(TTFB) of each page <2 sec.
2. User Satisfaction:
   Meets the requirements of clients.
3. Lead Time for Changes:
   From code commit to production < 20 minutes.

Stakeholders and roles

1. Provincial Park Administrators (Client)
   Role: Users of the system who manage trail and campsite reservations. Provide requirements and feedback on the system's functionality.
2. Backpackers
   Role: Users of the system who would like to go hiking and make campsite reservations through the system.
3. Development team
   Role: Group 11 team members who are responsible for developing this website.

Scope and budget

1. Scope:
   This application will be developed as a website only.
   Will not deliver a mobile application or desktop application.
2. Budget:
   Cost: 100K CAD
   Project duration: 5/14/2024~8/9/2024

Milestones and deliverables:

1. Project Initiation and Planning
   Deliverables:
      a. Team charter
      b. Project charter
      c. IP contract
      d. Project Plan
      e. Web search and rationale report
      f. Client sign-off document
      g. Draft presentation slides
      h. Meeting minutes
2. Iteration 1 - Design
   Deliverables:
      a. Iteration 1 plan
      b. Use Case Diagram(s)
      c. Use Case Description(s)
      d. Design Level Sequence Diagram(s)
      e. Navigation Diagram(s)
      f. User Interface Prototype(s)
      g. Output Design
      h. Meeting minutes
3. Iteration 2 - Development
   Deliverables:
      a. Iteration 2 plan
      b. Design Class Diagram(s)
      c. Entity Relationship Diagram(s) (ERD)
      d. The first version of the Frontend code
      e. The first version of the Backend code
      f. Meeting minutes
4. Iteration 3 - Deploy & QA Test
   Deliverables:
      a. Iteration 3 plan
      b. Unit Test Plan and Results
      c. Verified frontend code
      d. Verified backend code
      e. Meeting minutes

5. Transition
   Deliverables:
   a. Deployment Guide
   b. User Technical Manual
   c. Client sign-off document
   d. Meeting minutes
6. Presentation
   Deliverables:
   a. Introduction slides
   b. Recorded presentation
   c. Brochure
   d. Resume and business cards
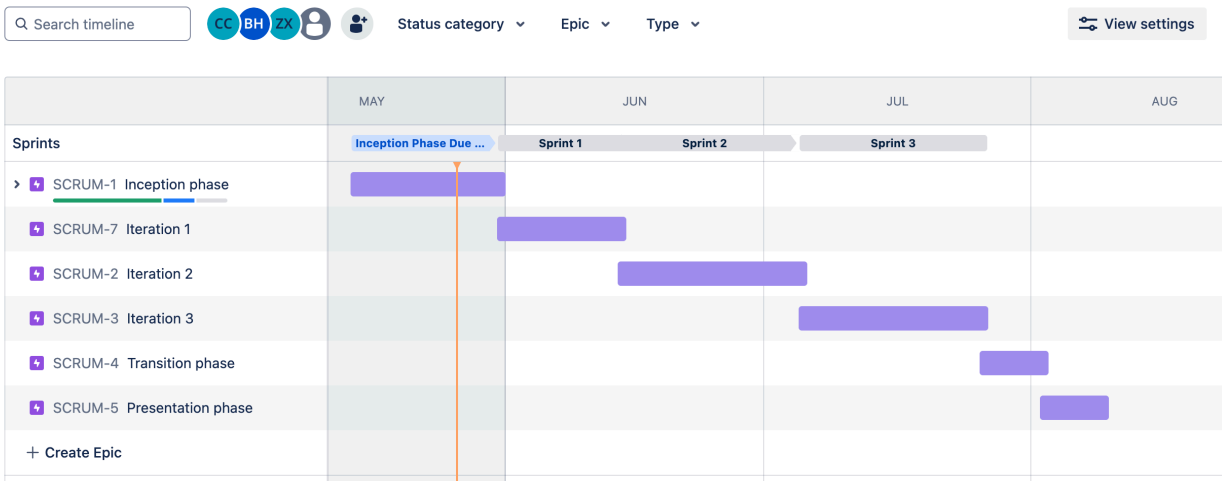   e. Meeting minutes

Timeline and schedule

1. Project Initiation and Planning, 5/14/2024 ~ 5/31/2024
2. Iteration 1 – Design, 5/31/2024 ~ 6/14/2024
3. Iteration 2 – Development, 6/14/2024 ~ 7/5/2024
4. Iteration 3 – Deploy & QA Test, 7/5/2024 ~ 7/26/2024
5. Transition, 7/26/2024 ~ 8/2/2024
6. Presentation, 8/2/2024 ~ 8/9/2024

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Timeline

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| Search timeline | CC BH ZX | Status category ⌄ | Epic ⌄ | Type ⌄ | View settings |

	MAY	JUN	JUL	AUG
Sprints	Inception Phase Due ...	Sprint 1 Sprint 2	Sprint 3	
SCRUM-1 Inception phase	████			
SCRUM-7 Iteration 1		███		
SCRUM-2 Iteration 2		███		
SCRUM-3 Iteration 3			███	
SCRUM-4 Transition phase				██
SCRUM-5 Presentation phase				██
+ Create Epic				

Communication Plan

Stakeholder	Information	Communications	Frequency
Client	Status Update/Feedback	Face-to-face/Zoom	Weekly
Team	Issue tracking, status update	Face-to-face/Zoom/GitHub/WeChat	Weekly