Alpha Team Module 2.1 March 19, 2025

Moffat Bay TDD

Alpha Team Includes:

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**Introduction:**

* 1. Purpose:

This document outlines the technical design for the Moffat Bay project. It captures key requirements, defines project goals, and is a communication tool for stakeholders, designers, and developers. The objective is to create a user-friendly experience for various traveler types while maintaining a robust and scalable backend.

* 1. Terminology:

• TDD: Technical Design Document

• ERD: Entity Relationship Diagram

• QA: Quality Assurance

• Persona: Fictional character representing user types

• User Story: A short, simple description of a feature told from the perspective of the user

1.3 User Personas)

1. Persona 1:
   * **Age:** 55
   * **Tech Skill:** Low
   * **Background:** Retired postal worker
   * **Interests:** Family travel, nature watching, low-impact adventures
   * **Health:** Has a heart condition
   * **Goals:** Simple, calm travel experiences with minimal effort
2. Persona 2:
   * **Age:** 23
   * **Tech Skill:** High
   * **Background:** Computer science student, former Eagle Scout
   * **Interests:** Birdwatching, kayaking, outdoor photography
   * **Goals:** Adventure and wildlife experiences with in-depth activity details
3. Persona 3:
   * **Age:** 29
   * **Tech Skill:** Moderate
   * **Background:** Travel vlogger and freelance content creator
   * **Interests:** Adventure trips, social sharing, comfortable accommodations
   * **Goals:** Multi-option packages, content creation during trips

1.4 User Stories)

John Walker’s User Stories (Low-Tech Traveler)

1. As a father, I want to take my family on a gentle hiking trip to enjoy nature without stress.

(Story Points: 3)

2. As a husband, I want dolphin-watching tours listed with images so I can book something my wife will enjoy.

(Story Points: 2)

3. As John, I want to avoid complicated booking steps so I can plan everything easily.

(Story Points: 3)

Max Carter’s User Stories (Tech-Savvy Explorer)

1. As a birdwatcher, I want a detailed bird-spotting guide on the site so I can track species during my trip.

(Story Points: 5)

2. As a former Scout, I want to view available kayaking routes with safety info so I can plan my river trip.

(Story Points: 3)

3. As Max, I want to browse trip options with price breakdowns and detailed activity descriptions.

(Story Points: 3)

Emily Chen’s User Stories (Social Traveler & Vlogger)

1. As a vlogger, I want to know which activities allow cameras so I can record content for my followers.

(Story Points: 2)

2. As Emily, I want to see activity bundles so I can experience various things during the same trip.

(Story Points: 4)

3. As Emily, I want a “share my trip” option to invite friends via social media.

(Story Points: 3)

1.5 Work Estimations & To-Do List)

* To Do List:
  + Create Section 1 of TDD
* Work Estimate:

**Design:**

2.1 Prototypes)

2.2 ERD)

**QA Testing:**

3.1 QA Test Plan)