**Project Plan: Movie Recommendation Website**

**1. Project Phases:**

* **Phase 1: Planning (Week 1-2)**
* **Phase 2: Design (Week 2-3)**
* **Phase 3: Development (Week 3-7)**
* **Phase 4: Testing (Week 7-8)**
* **Phase 5: Deployment (Week 8-9)**

**2. Detailed Tasks and Activities:**

* **Phase 1: Planning (Week 1-2)**
  + Task 1.1: Define project scope and requirements.
  + Task 1.2: Research and select APIs for movie data.
  + Task 1.3: Define user personas and user stories.
  + Task 1.4: Create a detailed project schedule and assign tasks.
  + Task 1.5: Setup project management tools (e.g., Trello, GitHub Projects).
* **Phase 2: Design (Week 2-3)**
  + Task 2.1: Create wireframes and mockups of the website.
  + Task 2.2: Design the user interface (UI) and user experience (UX).
  + Task 2.3: Define the website's architecture and data flow.
  + Task 2.4: Create a style guide.
* **Phase 3: Development (Week 3-7)**
  + Task 3.1: Set up the development environment (React, Node.js, etc.).
  + Task 3.2: Integrate selected movie APIs.
  + Task 3.3: Develop the core recommendation algorithm.
  + Task 3.4: Implement search and filter functionalities.
  + Task 3.5: Develop user feedback integration.
  + Task 3.6: Ensure mobile responsiveness.
  + Task 3.7: Implement user account creation and login.
* **Phase 4: Testing (Week 7-8)**
  + Task 4.1: Unit testing of individual components.
  + Task 4.2: Integration testing of API connections.
  + Task 4.3: User acceptance testing (UAT).
  + Task 4.4: Cross-browser and cross-device testing.
  + Task 4.5: Performance and load testing.
* **Phase 5: Deployment (Week 8-9)**
  + Task 5.1: Set up free-tier hosting.
  + Task 5.2: Deploy the website to the hosting environment.
  + Task 5.3: Perform final testing in the live environment.
  + Task 5.4: Create user documentation.
  + Task 5.5: Project review and retrospective.

**3. Task Dependencies:**

* Phase 2 (Design) depends on Phase 1 (Planning).
* Phase 3 (Development) depends on Phase 2 (Design).
* Phase 4 (Testing) depends on Phase 3 (Development).
* Phase 5 (Deployment) depends on Phase 4 (Testing).
* API integration depends on API selection.
* Recommendation algorithm development depends on API integration.
* Testing depends on development.

**4. Detailed Timeline:**

* **Week 1-2:** Planning (Scope, API selection, user stories, scheduling).
* **Week 2-3:** Design (Wireframes, UI/UX, architecture).
* **Week 3-7:** Development (API integration, algorithm, features, responsiveness).
* **Week 7-8:** Testing (Unit, integration, UAT, cross-device).
* **Week 8-9:** Deployment (Hosting, live testing, documentation, review).

**5. Tools:**

* Project Management: Trello, GitHub Projects.
* Communication: Slack, Discord.
* Development: React, Node.js, Git/GitHub, VS Code.
* Design: Figma or similar.

**6. Progress Tracking and Reporting:**

* Daily stand-up meetings.
* Weekly progress reports.
* Task tracking in project management tools.
* Regular code reviews.

**7. Quality Assurance:**

* Code reviews.
* Unit testing.
* Integration testing.
* User acceptance testing.
* Cross browser testing.