

Project Plan

Project Name: Tresearch
Application Type: Web Application

Trial By Fire
Jessie Lazo
Matthew Chen (Team Lead)
Pammy Poor
Viet Nguyen

Instructor: Vatanak Vong

California State University, Long Beach
College of Engineering
CECS491 Section 6 11950, Fall 2021

1. High level

a. Fall 2021

i. Quarter 1

1. Milestone 1 (Week 1-3)

a. **Milestone 1 In Progress**

- i. Business requirement document
- ii. Technology specifications document
- iii. Site map document
- iv. High Level Design document

ii. Quarter 2

1. Milestone 1 (Week 4-6)

a. **Milestone 1 In Progress**

- i. Business requirement document
- ii. Technology specifications document
- iii. Site map document
- iv. High Level Design document

iii. Quarter 3

1. Milestone 2 (Week 7-9)

a. **Milestone 1 deliverables (Week 7)**

- i. Business requirement document
- ii. Technology specifications document
- iii. Site map document
- iv. High Level Design document

b. **Milestone 2 In Progress**

- i. Project plan document
- ii. Test plan document
- iii. Network diagram document
- iv. Milestone 1 document revisions

iv. Quarter 4

1. Milestone 3 (Week 10-12)

a. **Milestone 2 deliverables (Week 10)**

- i. Project plan document
- ii. Test plan document
- iii. Network diagram document
- iv. Milestone 1 document revisions

b. **Milestone 3 In Progress**

- i. Low Level Design document
- ii. UM
- iii. Logging
- iv. Milestone 2 document revisions

v. Quarter 5

1. Milestone 3 (Week 13-16)

a. **Milestone 3 submission (Week 16)**

- i. Low Level Design document

- ii. UM
 - iii. Logging
 - iv. Milestone 2 document revisions
 - b. Spring 2022
 - i. Quarter 1
 - 1. Week 1-3
 - a. **In Progress**
 - i. Core Required features (User registration, logging in, etc.)
 - ii. Quarter 2
 - 1. Week 4-6
 - a. **In Progress**
 - i. Core Required features (User registration, logging in, etc.)
 - iii. Quarter 3
 - 1. Week 7-9
 - a. **Code Review 1 (Week 7)**
 - b. **In Progress**
 - i. Business Required features (Creating a node, copying a node, deleting a node, etc.)
 - iv. Quarter 4
 - 1. Week 10-12
 - a. **Code Review 2 (Week 11)**
 - b. **In Progress**
 - i. User social features (Rating a node, Searching for a node, setting node(s) public/private)
 - v. Quarter 5
 - 1. Week 13-16
 - a. **Code Review 3 (Week 15)**
 - b. **Full Project delivery (Week 16)**
 - i. **TreSearch Web Application**
 - 2. Low level
 - a. Fall 2021
 - i. Milestone 1(Week 1-6)
 - 1. Project Proposal
 - a. Project Description/Scope
 - b. Unique Features
 - c. Product Value/Competitors
 - 2. BRD
 - a. Project Scope
 - b. Define Use Cases
 - 3. Tech Spec
 - a. Describe Project Technologies
 - b. Define System Requirements

4. High Level Design
 - a. Diagram Front End
 - b. Diagram Back End
 5. Site Map
 - a. Decide User Interface
 - b. Illustrate Use Cases
- ii. Milestone 2 (Week 7-9)
 1. Project Plan
 - a. Create Low Level Project Plan for team
 - b. Create High Level Project Roadmap for client
 2. Test Plan
 - a. Identify testing required per use case
 - b. Provide/Define the Success and Failure per use case
 3. Network Diagram
 - a. Detailed view of Network Traffic Flow
 - b. Define system information and responsibility of each node
 4. Revise Milestone 1 Documents (Tentative)
 - a. Revise deliverables based off information given during lecture
- iii. Milestone 3 (Week 10-15)
 1. Low Level Design
 2. UM
 3. Logging
- b. Spring 2022
 - i. Quarter 1 (Week 1-3)
 1. Initial database setup
 - a. User database
 - b. Tree database
 2. Network Communication
 - a. Connection between frontend and backend
 3. Registration
 4. Login/Logout
 5. User Management
 - a. Modifying account details (password, phone number)
 - b. Deleting account
 6. User Access Control
 - a. Access to non-logged in accessible features
 - b. Access to logged in features
 7. Logging
 - a. Logs for errors
 - b. Archiving logs
 - ii. Quarter 2 (Week 4-6)
 1. Creating node
 - a.

2. Deleting node
 3. Changing content of node
 4. Changing parent of node
 5. Changing tag of node
- iii. Quarter 3 (Week 7-9)
- 1.
- iv. Quarter 4 (Week 10-12)
- 1.
- v. Quarter 5 (Week 13-15)
- 1.

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| Logging | | | | | | | | | | | | | | | | | | |
| Login/Logout | | | User Management | | | | | | | | | | | | | | | |
| Registration | | | User Access Control | | | Changing tag | | | Searching | | | Rating | | | Remaining Work | | | |
| Network Communication | | | Deleting a node | | | Changing parent | | | Setting private/public | | | Pasting a node | | | Bug Fixing | | | |
| Initial database setup | | | Creating a node | | | Changing contents | | | Usage Analysis Dashboard | | | Copying a node | | | Touch ups | | | |
| Data Store Access | | | | | | | | | | | | | | | | | | |
| Error Handling | | | | | | | | | | | | | | | | | | |
| Documentation | | | | | | | | | | | | | | | | | | |
| Sprint 1 | Sprint 2 | Sprint 3 | Sprint 4 | Sprint 5 | Sprint 6 | Sprint 7 | Sprint 8 | Sprint 9 | Sprint 10 | Sprint 11 | Sprint 12 | Sprint 13 | Sprint 14 | Sprint 15 | Sprint 16 | Sprint 17 | | |
| Phase 1 | | | Phase 2 | | | Phase 3 | | | Phase 4 | | | Phase 5 | | | Phase 6 | | | |