

# Project Plan

Project Name: Tresearch

Application Type: Web Application

Trial By Fire

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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
              - 1. Project Proposal
            - ii. Milestone 2
              - 1. BRD
              - 2. Tech Spec
              - 3. HL Design
              - 4. Site Map
            - iii. Milestone 3
              - 1. Project Plan
              - 2. Test Plan
              - 3. Network Diagram

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.

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