**Deliverable 1**

University of New South Wales

Requirements & Design Workshop (SENG2021)

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# **1.0 Problem Deconstruction and Analysis**

* 1. **The Problem Contextualized**
* Where and when does the problem arise?
* Who does the problem affect?
* What attempts have been made to solve the problem?
  1. **The Importance of Solving This Problem**
* What will happen if the problem is not solved?
* Who will feel the consequences?
* Does the problem have wider relevance (e.g. are similar issues found in other contexts)?
  1. **Problems to Address (Problem Statements)**

(1) There is no feedback system for a particular course.

(2) There is no reputation / popularity system for users or course instructors.

(3) The forums are visually messy. They are cluttered and jumbled up together.

(4) There is no general forum for the students to interact with each other, only a forum for each individual course.

(5) Old course content is removed / hidden, thus not allowing students to revisit already covered material.

(6) The dashboard is not interactive enough and lacks information of recent activity from the course.

(7) There is no Intuitive notification system.

(8) Major social hubs have been integrated poorly into the platform

# **2.0 Requirements, Features, User Stories and Use Cases**

**2.1 Breakdown of General Requirement 1**

**Problem Statement**

(1) There is no way to search and manage courses

**General Requirements**

“As a user, I can access myMOOC to search and manage courses...”

**Complex Features**

“As a tutor, I can add, remove or search for courses...”

“As a student, I can search courses, enroll in a course, or drop it...”

**User Stories**

“As a student, I can search courses by tags...”

“As a student, I can enroll in a courses...”

“As a student, I can drop a courses...”

**Acceptance Criteria**

Scenario: Search Tutors by reputation

**GIVEN** I am on myMOOC home page

**WHEN** I click on “look for a Tutor”

**THEN** I should be on “Look for a Tutor” page

**WHEN** I fill in “reputation’’ higher than” “0.9”

**AND** I press “Search” button

**THEN** I should see all Tutors having reputation score higher than 0.9

Note: Double check what format they want the features/stores

**2.2 Breakdown of General Requirement 2**

# **3.0 Low-Fidelity Prototype**

**3.1 Storyboard Interaction Graphs**

**3.2 UI Component Sketches**

**3.3 Combination of Storyboard Interactions and UI Component Sketches**

# **4.0 High-Fidelity Prototype**

**4.1 Link to Application Repository**

**4.2 Screenshots of User Interface**