

# Sabanci University

## CS310 Spring Term Project

### Project Proposal Documentation

---

## General Rules

- Each team must come up with a basic mobile project idea.
- Teams may consist of at most 3 members.
- Projects **MUST** consist of a back-end application coded in Java Spring Framework using MongoDB as database, and a front-end application coded in Android Framework.
- Projects will be delivered in 3 phases:
  - **Project Proposals** : Statement of the project and team members
  - **Phase-1** : Backend code and proof-of-work video submission.
  - **Phase-2** : Android Mobile Application code and proof-of-work video submission.

## Guidance

You'll be responsible to deliver what you've proposed. So, it is suggested that your backend application has several API end points, and your mobile application does not contain more than 10 screens. A major example of such applications are mobile libraries and databases that helps users browse information on data. Some of the ideas may be:

- A mobile application that displays information about planets and stars.
- A mobile application through which users create posts and other users comment on them.
- A news application that lists news in categories and users can post comments on the news.
- A mobile weather forecast application.
- A mobile application that lists travel locations, or hotels, or museums or any other place and users can comment on them.

You may check the News Application as an example project in the assignment attachments.

If you believe that you team may go further and create a more complex project, some of the examples may be:

- **Location Tracking / Location Services**
  - Location tracker, where am I? Where is my car? Find a friend ...
- **Media Applications**
  - Media player, animated applications, sound or camera based applications
- **Apps using sensors**
  - Motion sensors, environmental sensors, position sensors
- **Network related applications**
  - Network scanner, port scanner, encryption tools
- **Service consumer applications**
  - Any app like an online store, fashion catalogue, movie databases, etc. consuming any kind of online service
  - Can also consume a service provided by Google, Twitter, Facebook, etc
- **Basic Games**

- Any basic game using graphics libraries or game frameworks is welcome.
- **Social Apps**
  - Messaging, speaking, etc.

## Proposal Content

For the first phase of the project you must submit a proper proposal document answering the questions below as best as you can. Your proposal should be about three pages in length at most.

### 1. Project Title

A relevant title that reflects the scope and objective of the project.

### 2. Team members

Name(s) of the project undertaker(s).

### 3. Project Overview

Provide a description of the proposed project and outline the expected results. Why is it important or useful that this system be built? What benefits will result?

### 4. Objective and Scope of the project

Give a brief outline of what the project will aim to achieve upon completion and list the main project targets. How many end-points are you planning at backend and what are they? How many screens will your mobile application contain? You may provide some mock-up screens designs and a navigation diagram.

### 5. Background and current practice

What are the current state-of-the-art examples in the proposed project's area?

### 6. Potential customer/user description

Who will be using the system? What person or organization may want this system to be built. What "business" are they in?

---