# SE112: INTRODUCTION TO SOFTWARE ENGINEERING

**SPRING 2023-2024**

**ASSIGNMENT -1, 2-**

**PROJECT GROUP -16-**

**PROJECT NAME: “BEEZ”**

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# PROJECT PROPOSAL

The goal of the project is to gather people with academic purposes from different levels of education to help with their problems. For this intention, an application-based system that includes coaching, question-asking/solving, and a discussion forum is needed. The app “Beez” is mainly created for senior high school students, but also can be used by academics and other scholars. Users can accumulate to discuss and solve the problems they’re struggling with through the chatting system.Photos sent by the users are checked if the photos are appropriate for the platform through an AI system. If the users send inappropriate photos, the system restricts the user for a period of time. In case of repetition of this action, the user will be banned from the platform.

# PROJECT MANAGMENT

## Project plan

A screenshot of a graph

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# RISK PLAN

|  |  |
| --- | --- |
| **RISK FACTOR** | **PLAN B** |
| The time to develop the software is underestimated. | Planning a meeting with the customers about requirements and requests. |
| The database used in the system cannot process as many transactions per seconds as expected. | Provide more tools to develop more complex software. |

# REQUIREMENTS

|  |  |  |
| --- | --- | --- |
| **Functional Reqs ID** | **Explanations** | **MOSCOW priority**  **(M, S, C, W)** |
| FR1 | The log-in system must ask if the user is a student or an academician. | M |
| FR2 | Students must be able to have a weekly planner. | M |
| FR3 | Students must be able to have a timer for studying. | M |
| FR4 | The system must restrict every app except calling.(Depending on the student) | M |
| FR5 | Students must be able to calculate their university entrence exam pilot test results. | M |
| FR6 | Students should be able to have a personal study coach who is another user. | S |
| FR7 | Users should be able to see other users profiles which includes comments,study plan,academic history,progress etc. | S |
| FR8 | The system should have a forum platform to share photos(questions),solutions,comments about test book etc. | S |
| FR9 | Academicians should be able to interact with students. | S |
| FR10 | Students can be able to rate their coaches,testbooks and the app. | C |
| FR11 | Students can see their past test results and daily studies to compare them. | C |
| FR12 | Users might select their profile pictures. | W |
| FR13 | Users might edit their status(studying,on a break etc.)which can be seen by other users | W |
| FR14 | System might send a reminder to students who have not entered the application. | W |
| **Non-Functional Reqs ID** | **Explanations** | **MOSCOW priority**  **(M, S, C, W)** |
| NFR1 | AI system must control the user if the person is an academician or a student. | M |
| NFR2 | AI checks the forum if there is an inappropriate text,image and inform the system to restrict or ban the user. | M |
| NFR3 | Software server must allow 10.000 user to access the application at the same time. | M |

# USER-STORY

The purpose of “Beez” is to guide students with their academic skills by providing benefits (schedule, timer, personal coach, forum etc.). For instance, **us\_Stu** (user) logs into communicate with their **us\_Coach** who provides further academic advice. **Us\_Stu**’s academic need appears on **profile\_Stu** which can be seen by all users. The users can also send messages to eachother by **message\_Box**. All users need to log into “Beez”.

# USE CASE DIAGRAM

A diagram of a person's profile

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# CLASS DIAGRAM

A diagram of a server

Description automatically generated with medium confidence

# ACTIVITY DIAGRAM

A diagram of a student profile

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# FIGMA DESIGN

Screens screenshot of a login screen

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Screens screenshot of a cellphone

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A screenshot of a chat

Description automatically generated

**Here is the link if you want to check out:**

<https://www.figma.com/file/i9Mxt1CTSyEO1i9W0SWs5D/SE112-Beez?type=design&mode=design&t=JX1qrj9MdNOLpEqt-0>