

1. Introduction

Studying during university life is very crucial to

1.1 Description

Our project aims to provide a platform where willing students can find study partners, share course materials and thus help each other. Thanks to StudyB, students will be able to get together after confirming that they are Bilkent students through their bilkent emails. On the course pages, students will be able to share course materials such as course notes and questions and will be able to answer and help each other. Students who are looking for a study partner will be able to create study rooms and will be able to work together with the people who enrolled in these rooms, either face-to-face or in a virtual environment.

There will be a scoring system to encourage students' cooperation and prevent lurkers. After a 2-week trial period, members who do not participate in any way but benefit from the materials of other people on the platform will be removed from the platform. Also a score system is developed according to the amount of participation which will have scoreboards according to the wishes of the users. Among the members who want to show their participation amounts in the score table, the most participating member will appear on the scoreboard of course page as the master of that course.

In addition, according to the courses students have enrolled, system will have their exam schedules and information, and they will be notified when the exam dates are approaching.

1.2 Constraints (Alara)

1.2.1 General Constraints

- StudyB will be a free application on the mobile platform.
- The application is for Bilkent students.

- The project will be completed in May 2020.
- The application's language will be English.

1.2.2 Implementation Constraints

- StudyB is an Android-based application.
- Java Script, AngularJS will be used in the implementation step.
- The project will be developed on Github which all group members have as a change to access the platform.
- StudyB creates its dataset from STARS platform.

1.2.3 Security Constraints

- The application will require a university email address (ug.bilkent.edu.tr) from student to sign up to the system. This information will not be public and it will be saved the application database.
- StudyB will require a nickname to access to the platform. The users create their nicknames which can be anything(name, number, etc). This will be public and other students will see this nickname. However, if the students want to hide their information. They can choose the hide button and the system will give a random number instead of their nickname.

1.2.4 Sustainability Constraints

- Application code will be well commented and efficient.
- Application documentation will be well organized for updates.

-StudyB's main goal is to help students to find their study partners and study materials. According to their feedback, we need to maintain the application.

1.2.4 Sustainability Constraints

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1.3 Professional and Ethical Issues

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In order to make StudyB's features as effective and as they should be; users' Bilkent emails, courses, exam dates, attended study rooms, activities on the platform and messages they send to each other and study rooms will be stored.

2. Requirements

2.1 Functional Requirements

- ☐ Users will create an account with their Bilkent webmail accounts (with the ug.bilkent.edu.tr extension).
- ☐ Users will select the specific department and course of Bilkent University that they want.
- ☐ Users are going to be directed to the main page of the selected course.
- ☐ Users can make comments on the posts on the main page.
- ☐ Users can ask questions about the course.
- ☐ Users can share documents such as pdf's, images, etc. about the midterms, quizzes, homework, etc. on the main page of the course.
- ☐ User can assign to the specific courses.
- ☐ Users can take general and exam tips for their assigned courses as a notification. If they do not want to take, they can make this feature disable from settings.
- ☐ Users can enroll the study buddy feature by clicking a button on the main page.
- ☐ Users can start a new conversation with their study buddy in chat room.

- ❑ According to the users activities, there is going to be created a score list to identify lurkers and students who contribute most.
- ❑ Top three contributor students are going to be seen on the score list and the top student is going to be the master.
- ❑ If users do not want to be seen in the score list, she/he can make her/his nickname invisible for list.
- ❑ Lurkers can be identified from this score list if they do not contribute for a month and after they can be in the suspension period as a punishment.

2.2 Non-Functional Requirements

2.2.1 Usability

StudyB will have a minimalist user interface therefore it will be easy to use and learn. Users will login with their accounts and also google calendar will be integrated to the account if the user prefers.

2.2.2 Reliability

2.2.3 Scalability

2.2.4 Privacy

User information will be private including their email address and private messages between two users. Also, if the user desires, nicknames will be unseen and a random number will be shown as nickname to other users.

2.2.5 Flexibility

This application will be suitable for users in Bilkent University, so every student can be able to use it.

3. References