

Study buddies

By Lukasz Nowosad, Marko Zovic, Abdullah Khatib, Kashif Syed, Haaris Rahmanyar, and Farzin Aliverdi Mamaghani

Big User Stories

1. Create a group and chat features
2. View schedule information and resources
3. Book a room
4. Authentication

Create a group and chat features

1. As a student, I want to click on courses and see a list of groups specifically for that course.
 - a. Marko implemented template page to work for all courses
 - b. Haaris implemented storing course value in groups on backend
2. As a student, I want to be able to create a group for a course
 - a. Haaris implemented creating and storing courses
 - b. Kashif implemented testing and fixes
3. As a student, I want to automatically be selected as the owner of a group if I create it (Marko)
4. As a student, I want to access a general list of courses which I can sort by course code either ascending or descending
 - a. Lukasz created the page and UI
 - b. Marko implemented fixes to account for new system

Create a group and chat features contd.

1. As a student, I want to be able to see a list of group chats which are sorted by recent activity (Abdullah)
2. As a student, I want to be able to send messages in a group and view the history
 - a. Abdullah implemented a complete overhaul of entire new chat system
 - b. Farzin created a temporary initial page
 - c. Haaris attempted to allow storing chats on Farzins initial page
3. As a student, I want to be able to create a new chat group with users of the site (Abdullah)
4. As a student, I want the option of deleting a group chat from my list (Abdullah)
5. As a student, I want to be able to share resources with others (Abdullah)

View schedule information and resources

1. As a student I want to be able to view the full schedule of a course including all sections (Marko)
2. As a site owner, I want the data for the schedules to be automatically scraped so I do not have to go and manually input all data each semester (Marko)

Book a room

1. As an owner, I want the room provided to only be booked by one person at a time for a maximum hours of 2 hours per person per day (Marko)
2. As a student, I want to be able to see all bookings for a selected date and book a time slot (Marko)

Authentication

1. As an owner, I want only york university emails to be able to sign up for the site (Marko)
2. As an owner, I want to require users to verify their email addresses before becoming users of the site (Marko)
3. As a student, I want to be able to create an account
 - a. Lukasz created and implemented
 - b. Kashif did testing and fixes
4. As a student, I want to be able to logout
 - a. Lukasz created and implemented
 - b. Kashif did testing and fixes
5. As a student, I want to be able to login
 - a. Lukasz created and implemented
 - b. Kashif did testing and fixes

Miscellaneous

1. As a student, I would like the pages to be organized neatly in a home page (Lukasz)
2. As a student, I would like to back and forth between pages using a navigation bar (Lukasz)
3. As an owner, I would like the pages to look nice and presentable (Lukasz)

Client meeting 2

Unfortunately due to time constraints we were unable to meet with our client on our current version of our program

Postmortem Analysis

- What was the overall architecture of your system
 - We decided to use the MERN (mongodb, Express.js, React, Node.js) stack
- How large is the project
 - As many different user stories use similar files the following are estimates not including shared files:
 - Group and Chat: around 1-2k lines of code
 - View schedule info: around 400-500 lines of code
 - Book a room: 500-1k lines of code
 - Authentication: around 500-1k lines of code

Postmortem Analysis contd.

- What went right in the development process?
 - Our planning was very ambitious and clear
- What went wrong in the development process?
 - Many features did not get implemented as expected
- What would you do differently, if you had the chance to start over?
 - Plan out steps more clearly starting with most important features first and layer on top less useful features later on
- What took the most time? The least? Any surprises?
 - The chat system definitely took the most amount of time. It is hard to say what took the least time as many things that were done quickly had to be fixed later. We expected the chat system to take a long time but it took even longer than expected

Postmortem Analysis contd.

- Are there any outstanding bugs?
 - The web scraper sometimes duplicates data but this does not affect much
 - Currently creating groups are not linked correctly to group chats
- Did any features work better than expected?
 - The chat feature managed to incorporate adding files and resources
- What did you learn about team or large project development? What will you start doing, keep doing, or stop doing next time?
 - It is very easy to get lazy in team development. This is where biweekly meetings to check up on progress is extremely important to ensure no slacking off.