



StudentLink

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Motivation and Goals

- Help students to easily connect with their peers and achieve academic success through group learning
- Improve visibility and organization of students' academic schedules
- Enhance student networking
- Gain experience building a functional app



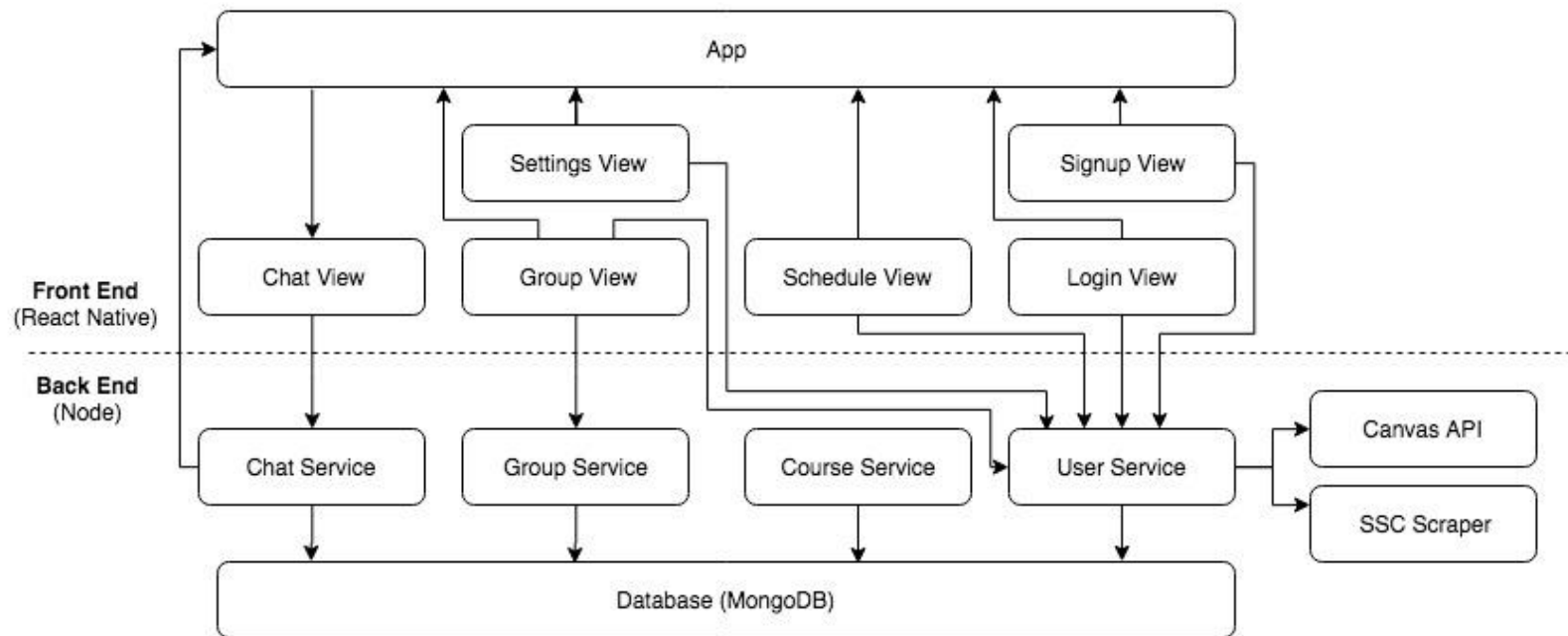
Core Features

- Upload your schedule and course data to the app via Canvas & SSC
- Find and join study groups that match your schedule best using the app's matching algorithm
- Receive push notifications when a user joins your study group and when your study group receives a new message
- Chat with your group to set up study sessions and help each other out

Non Functional Requirements

- The system should take less than 5 seconds to find potential study groups for a user
- It should take less than 4 seconds for a study group to receive a message in the chat after another student sends it
- It should not take more than 2 seconds to load a new page on the app
- The system shall not disclose personal information such as email address, phone number, and personal user ID

Architecture



Testing

Back End - Jest

5/5 Tests Pass

File	% Stmts	% Branch	% Funcs	% Lines	
get-registered-courses.ts	89.02	74.36	90	87.84	} Integration
matching.ts	90.53	77.19	100	88.97	
src/routes	75.1	62.75	88	74.49	
chat.ts	85.37	70	100	81.25	} Unit
course.ts	88.57	83.33	100	86.67	
group.ts	88.14	78.57	100	85.71	
user.ts	59.43	42.86	71.43	61.18	

Front End - Cavy

- Attempting to login with valid credentials progresses the user past the login page
- Attempting to login with invalid credentials denies authentication and keeps the user on the login page
- Using the navbar correctly switches screens
- Refreshing courses correctly displays the user's courses (must show at least one course)
- Searching, then joining a group correctly adds the group to the user's group list



What We Learned

- Deadlines force you to sacrifice quality
 - Use software engineering best practices to be efficient with the time you have