

C-Mail

SAFE STUDENT CHAT SERVICE

GROUP 8

STATEMENT OF PROBLEM

- Students need safe chat & document sharing service
- Chat services require sensitive information such as phone number or personal email
- Difficult to remember which information was used
- Traditional chat methods are not regulated or monitored
- Record cannot be accessed by the school

MOBILE FEATURES

- Access to camera
- QR code generation & reading
- GPS location-based data usage
- Touch and swipe functionality

FUNCTIONALITY OVERVIEW

The minimum functionality expected of this app is to be able to access the device's camera, to be able to search students' accounts by email, and to send and receive messages.

FUNCTIONALITY OVERVIEW

The expected functionality is to access the device's camera, generate QR codes, send and store messages between accounts, and provide location-based student email searches.

FUNCTIONALITY OVERVIEW

The bonus functionality would be to be able to scan QR codes, send documents and other types of files, generate QR codes, and send and store messages between accounts. It would also store and display a profile picture for each user.

OTHERS

- Firebase for database
- Slack and Github for development team communication
- Google maps API used to match domain names with student email addresses.
- API for generating and reading QR codes

USER INTERFACE



LOADING SCREEN

The login page has a pink-to-orange gradient background. It contains two white, rounded rectangular input fields. The first field is labeled "USERNAME" in orange text. The second field is labeled "PASSWORD" in orange text. Below these fields is an orange button with the word "LOGIN" in white text.

LOGIN PAGE

The registration page has a pink-to-orange gradient background. It contains three white, rounded rectangular input fields. The first field is labeled "USERNAME" in orange text. The second field is labeled "PASSWORD" in orange text. The third field is labeled "CONFIRM PASSWORD" in orange text. Below these fields is an orange button with the word "REGISTER" in white text.

REGISTRATION PAGE

BEST FRIENDS:

HARRY HAISTY

MATTHEW HAMMOND

MICHAEL DINH

DR. SELENA HE

CALEB McCREARY

WINNIE DELUGA

FRIENDS NEAR ME:

HHAISTY@STUDENTS.KENNESAW.EDU

ASWARZ@STUDENTS.KENNESAW.EDU

BBONDS@STUDENTS.KENNESAW.EDU

PHILTON@STUDENTS.KENNESAW.EDU

SSHADY@STUDENTS.KENNESAW.EDU

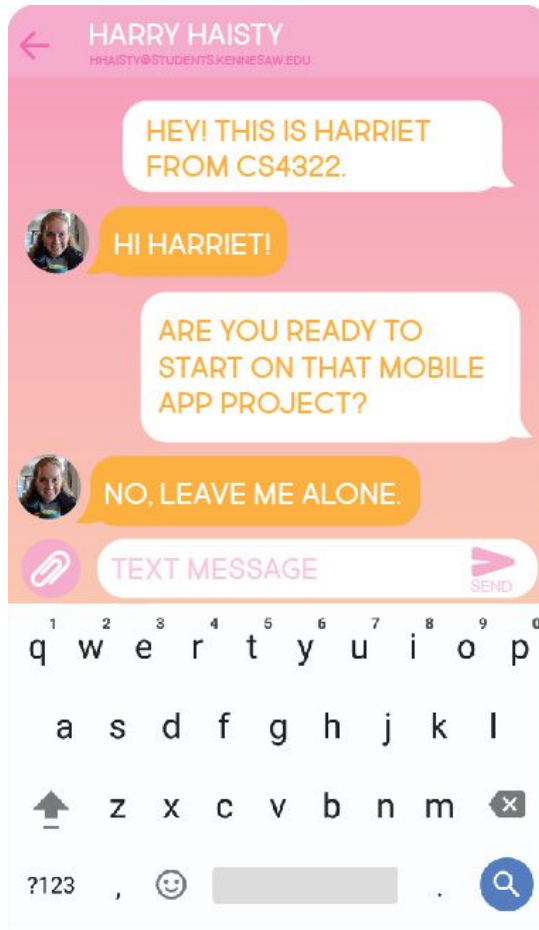
JCHAN6@STUDENTS.KENNESAW.EDU

LWAYNE@STUDENTS.KENNESAW.EDU

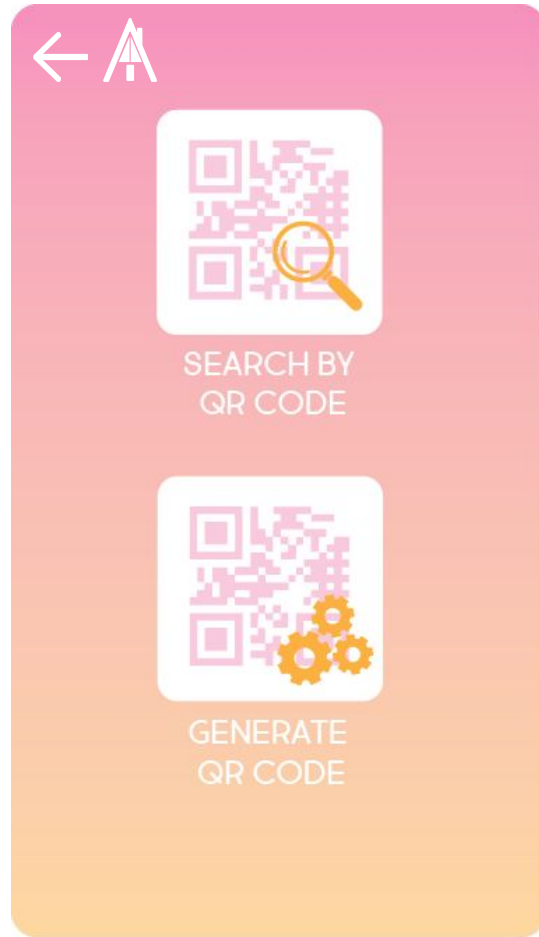
BOBAMA@STUDENTS.KENNESAW.EDU



MAIN SCREEN



MESSAGE VIEW



QR CODE SCREEN



HHAISTY@STUDENTS.KENNESAW.EDU

GENERATED QR CODE



QR CODE SCANNER



GROUP MESSAGE VIEW

PROJECT SCHEDULE

DATE	TITLE	DETAIL
1/12	Group Formation	Group members were established.
1/13	Planning and Review	Brainstorm with team regarding features to include in the application. Establish a shared repository for file sharing.
1/14	API Integration	Integrate Kotlin Firebase web API to store user data.
1/16	Mock-Up of User Interface	Design a interface that would be not only be functional but visually pleasing
1/30	UI Design	Develop basic graphics for application based on mock-up.

PROJECT SCHEDULE (CONT.)

<u>2/4</u>	<u>Project Proposal Presentation</u>	
2/24	Implement Instant Messaging Features	<p>Integrate basic and essential features that would be include in instant messaging features.</p> <p>Features include: send and receive messages, storing conversations, add colleagues and friends, etc.</p>
3/3	QR Code Generator and Reader	<p>Develop a QR code generator and reader to conveniently add colleagues and friends.</p>
<u>3/11</u>	<u>Update Presentation</u>	

PROJECT SCHEDULE (CONT.)

3/24	Patching Bugs and Improving Existing Features	Active search for potential bugs and see what needs to be improved and fixed.
3/31	GPS Location-based Data Usage	Implement a feature that would detect nearby students.
4/21	Patching Bugs and Improving Existing Features	Active search for potential bugs and see what needs to be improved and fixed. Possibly add more features depending on how much time prior to final presentation.
<u>4/22</u>	<u>Final Presentation</u>	

QUESTIONS?