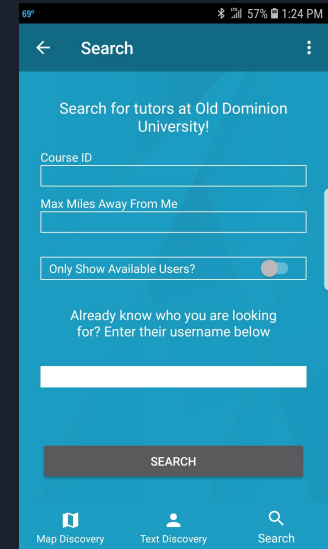
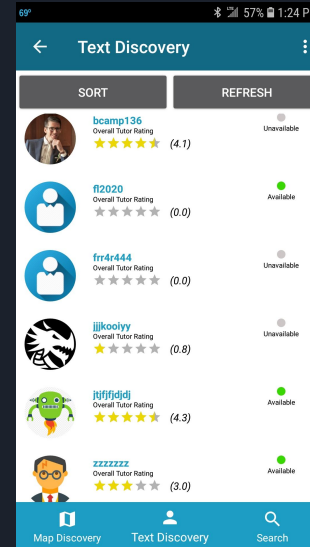
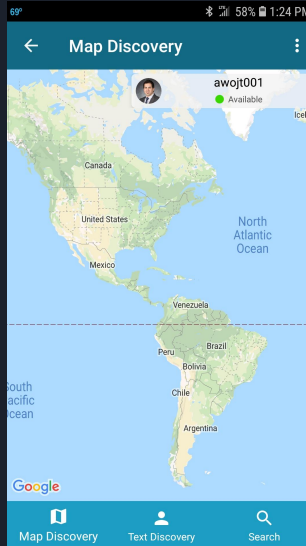


Tutor Dash Prototype Development



Team Gold
Old Dominion University
Fall 2019
22 October 2019



What Have We Accomplished?

Account Management

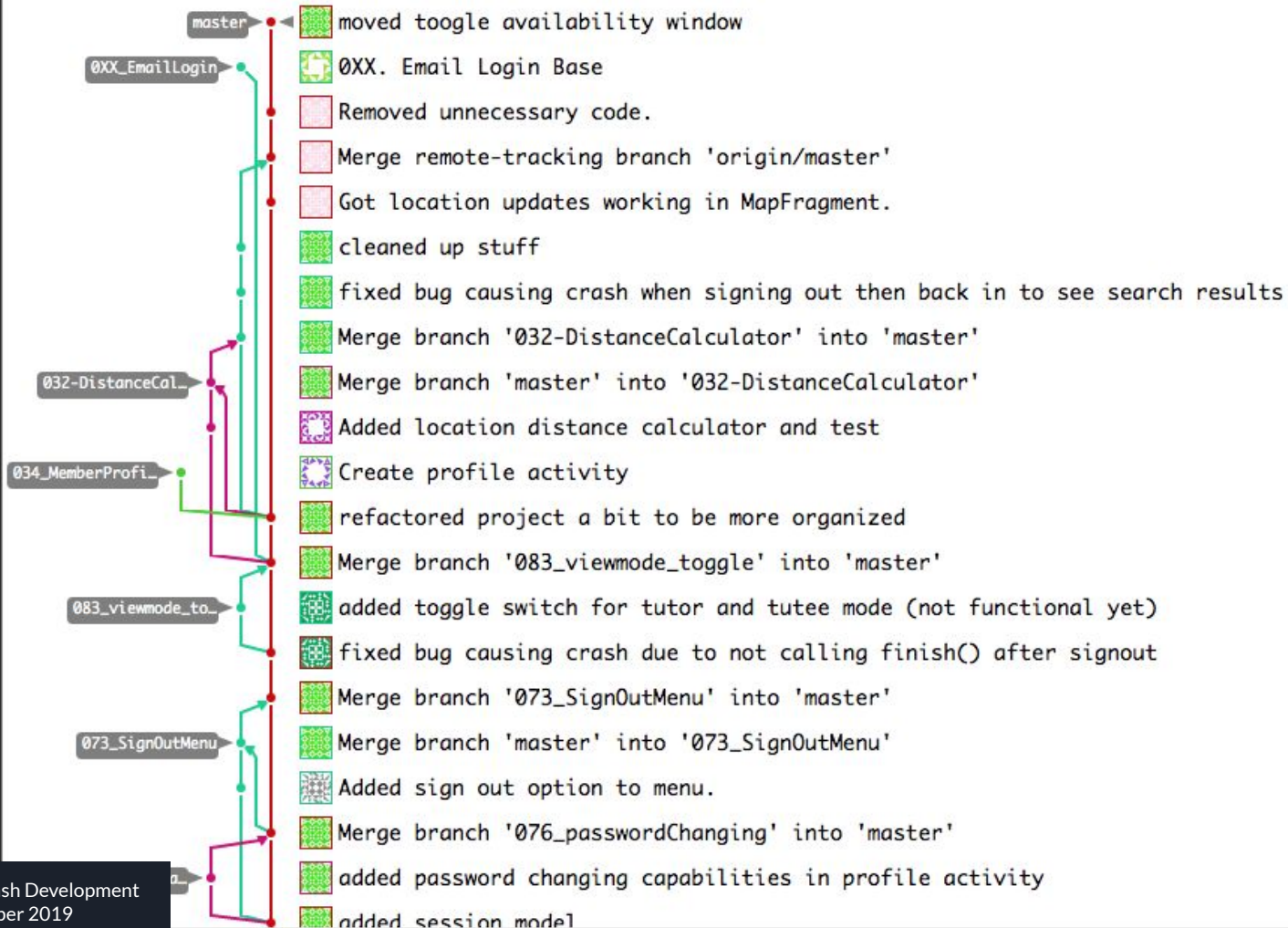
- Users can create new accounts
- Users can log in and out of existing accounts
- Users must confirm email before using app
- Users can reset password
- Existing users can change their current password
- Users can upload transcripts and select courses to tutor
- Users can toggle their availability in real-time

Interactivity

- Tutee mode only
- **In Progress:** Tutees can see local tutors on the google map
- Tutees can find any tutor at their university
- Functional sorting
- Functional searching
- Real-time updates on user information

Miscellaneous

- Options for courses and schools are dynamically populated
- Functional toolbar
- Caching (Implemented but not currently being used)



Tutor Dash Prototype



CS 411W Gold Free



Public



BC



D



+1



Invite

To Do

027. Implement functional google map for current user's location

Oct 2

EO

J

028. Make other users currently available show up in google map view for current user

Oct 16

BC

035. Bind user information to member profile layout.

Oct 2

D

+ Add another card

In Progress

018. Update styles for activity_choose_courses.xml and activity_upload_transcript.xml

Sep 24

EO

022. Create Map Discovery Activity (with google map)

Oct 2

BC

034. Create member profile layout

Oct 2

EO

J

032. Create relative distance calculator (IMPORTANT)

Oct 2

D

+ Add another card

Ready For Testing

+ Add a card

Being Tested

083. Create "Tutee/Tutor" mode toggle. (goes in hamburger menu as part of the settings)

1

A

+ Add another card

Passed Tests/Done

005. Set up user accounts in Firebase

Sep 17

1

BC

004. Front end for phase 1 UI/UX (login screens)

Sep 17

EO

011. Implement PDF parser to find course ids and grades. Also do checks to validate the integrity of the document.

Sep 17

D

020. Fix bug where recycler view in ChooseCoursesActivity is selecting multiple items when one is clicked.

1

A

012. Add functionality to allow existing users to reset their password

Sep 17

A

073. Create "Sign Out" option in settings menu (in toolbar)

1

D

+ Add another card

Merged to Master

002. Initial git commit for project skeleton (with dependency files)

1

BC

006. Add ability to upload documents in UploadTranscriptActivity

Sep 17

1

A

019. Create ForgotPasswordActivity and ResetPasswordActivity

Sep 24

A

030. Create functional search in search discovery tab

Oct 2

A

024. Create Sort View Fragment

Oct 2

EO

023. Create Text Discovery Activity

Oct 2

1

A

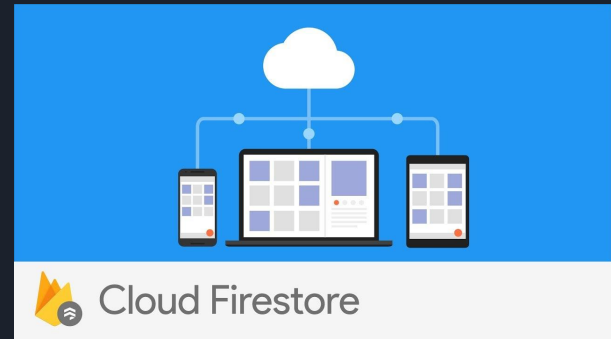
BC

091. Redo password resets. Use Send Grid. User should receive a token in the email and when entered in app (as long as it didn't expire), user can reset password

+ Add another card

Challenges We've Been Facing

- Event-driven asynchronous programming
- Working with authentication API
- Front-end complexity
- Android tasks and back stack
- Getting activities to communicate with one another
- Retaining real-time information
- Minimizing reads/writes to Firestore



What's Next? (As of 10/22)

Two weeks from now:

- Users will be able to toggle in/out of tutee mode
- Result on map and text view will depend on viewing mode
- Member profile and settings navigation = 100% complete
- When clicking on results on map or text view, member profile will display

One month from now:

- Users can schedule meetings
- Users can cancel meetings
- Handshake agreement implementation
- Automatic pay-rates are calculated for each course a tutor offers
- Users can send push notifications and get alerted when compatible users are available
- Functional chat

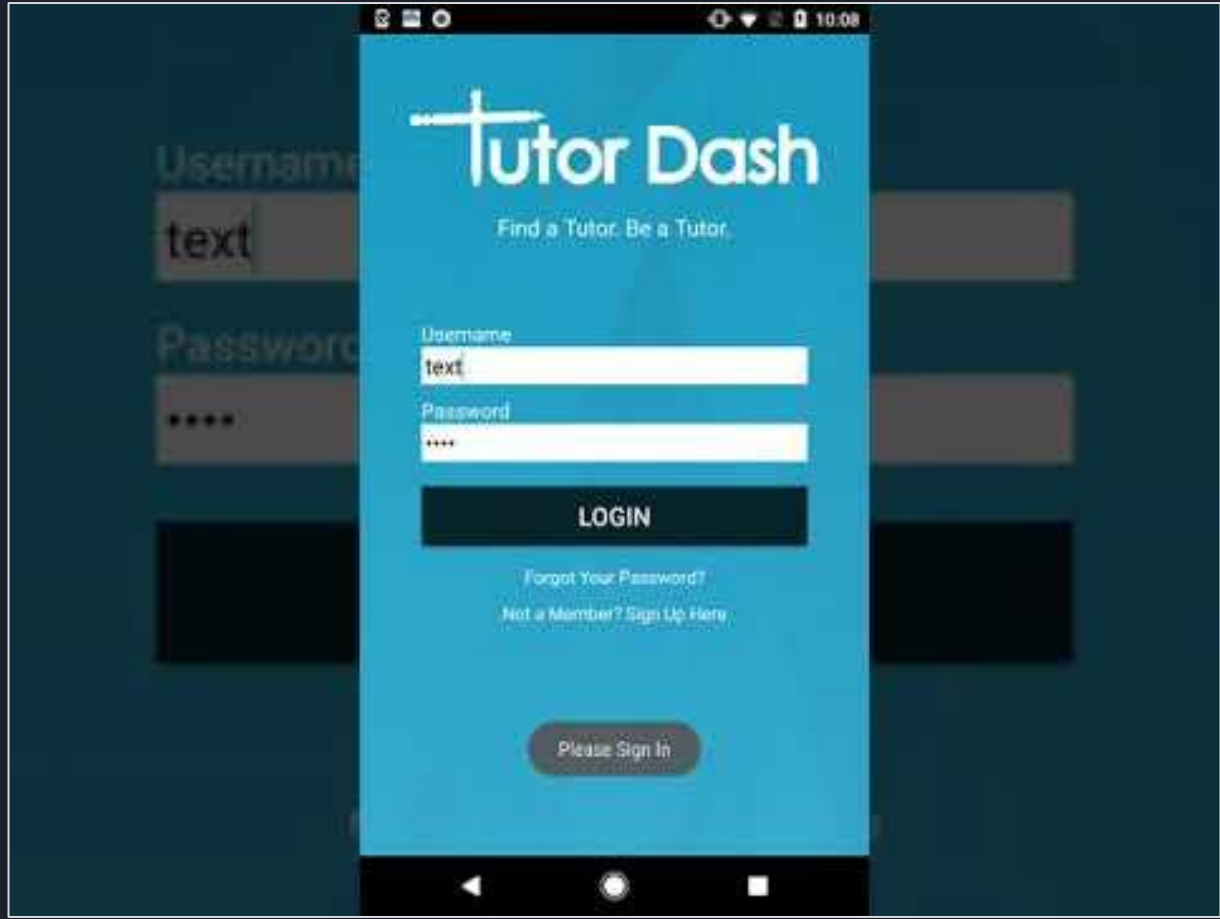
One month + 2 weeks from now:

- Payments are received
- Events are synchronized to users' Google Calendars (adding web-conferencing when necessary)
- Users can be blacklisted (functionality exists but it will be a manual process)





Firestore Test Lab - First Robo Test





Live Demo