Tutor Dash Prototype Development
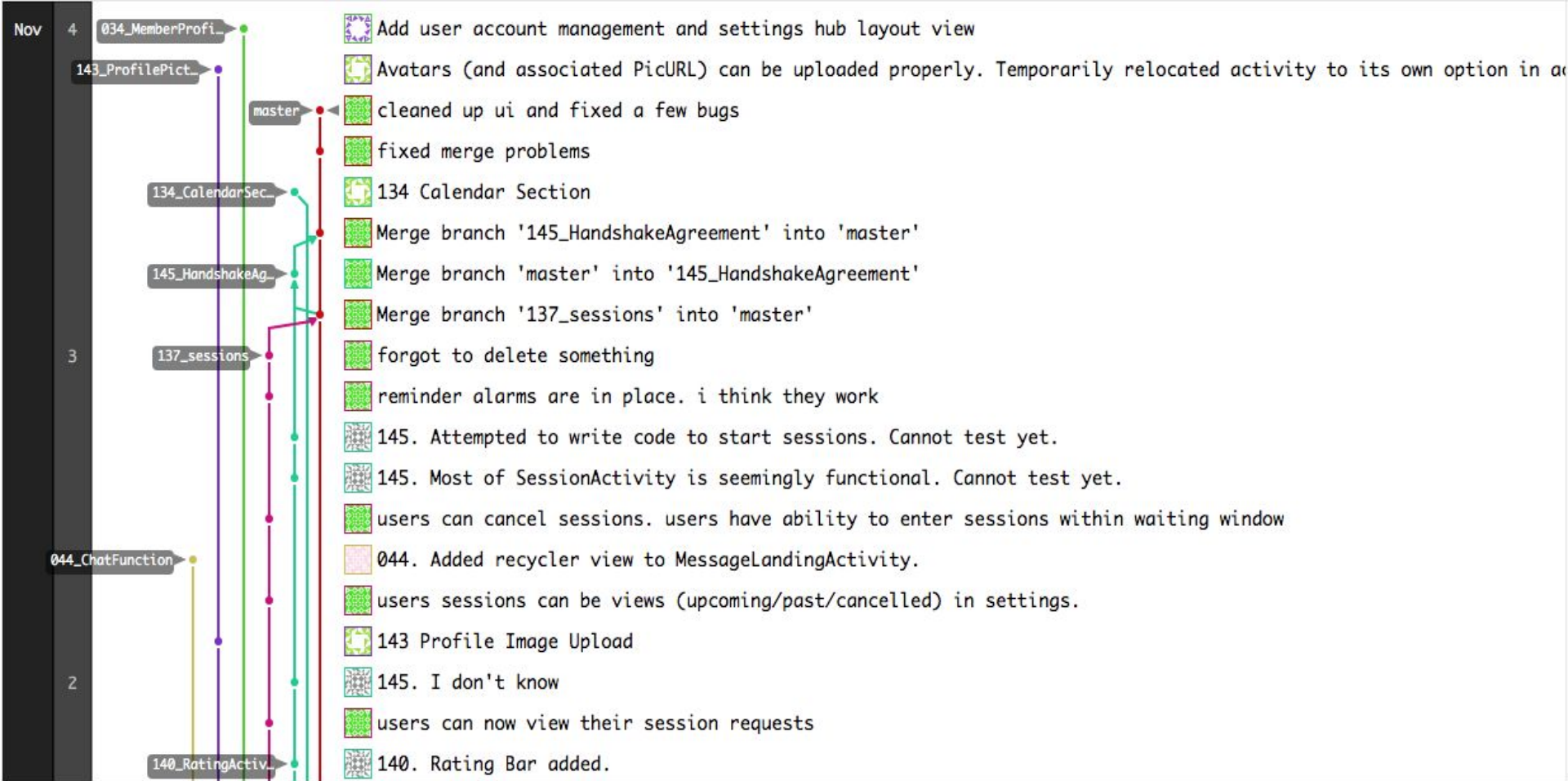
Team Gold
Old Dominion University
Fall 2019
05 November 2019

What Have We Accomplished?

- Sign-up/Login with email verification
- Account management (password resets/changes, notification preferences, availability toggling, etc.)
- Alerts based on requests for compatible tutors/tutees
- Tutor/tutee viewing modes
- Tutor/tutee discovery (search, sort, and query)
- Session scheduling (functional request, responses, and alarms)
- Session entry (handshake agreement and IP session screen)
- Functional chat?

Nov	4	034_MemberProfi_	⬡ Add user account management and settings hub layout view

143_ProfilePict_   ▦ Avatars (and associated PicURL) can be uploaded properly. Temporarily relocated activity to its own option in a⊓

master   ◄ ▦ cleaned up ui and fixed a few bugs

▦ fixed merge problems

134_CalendarSec_   ▣ 134 Calendar Section

▦ Merge branch '145_HandshakeAgreement' into 'master'

145_HandshakeAg_   ▦ Merge branch 'master' into '145_HandshakeAgreement'

▦ Merge branch '137_sessions' into 'master'

3   137_sessions   ▦ forgot to delete something

▦ reminder alarms are in place. i think they work

▦ 145. Attempted to write code to start sessions. Cannot test yet.

▦ 145. Most of SessionActivity is seemingly functional. Cannot test yet.

▦ users can cancel sessions. users have ability to enter sessions within waiting window

044_ChatFunction   ▦ 044. Added recycler view to MessageLandingActivity.

▦ users sessions can be views (upcoming/past/cancelled) in settings.

▣ 143 Profile Image Upload

2   ▦ 145. I don't know

▦ users can now view their session requests

140_RatingActiv_   ▦ 140. Rating Bar added.

Tutor Dash Prototype | CS 411W Gold Free | Public | A BC D DO EO +1 | Invite | Butler

To Do

028. Make other users currently available show up in google map view for current user
Nov 5 — BC

018. Update styles for activity_choose_courses.xml and activity_upload_transcript.xml
Sep 24 — EO

135. Create messenger section for member profile.
Nov 5 — BC

136. Create a technique for determining/computing standard deviations in the cloud.
Nov 5 — D

+ Add another card

In Progress

034. Create member profile layout (read-only viewing part) (this is similar to MainDiscoveryActivity)
Nov 5 — J

035. Bind user information to member profile layout.
Nov 5 — J

035. Create member profile layout (editing section for current users)
Nov 5 — J

134. Create calendar section for member profile.
Nov 5 — EO

137. Create session scheduling activity. (the screen that shows when a tutee wants to schedule a session with a tutor)
1 👁 Nov 5 — A

044. Implement chat functionality between two users.
Nov 5 — BC

+ Add another card

Ready For Testing

+ Add a card

Being Tested

140. Create rating activity. Screen that displays after a session concludes.
Nov 5 — DO

141. Create session activity. Include option to end session.
Nov 5 — DO

138. Create handshake agreement activity (screen that shows when two users are about to enter a scheduled session)
Nov 5 — DO

+ Add another card

Passed Tests/Done

143. Allow tutees to change their profile image (requires storage permissions and firebase storage)
Nov 5 — EO

+ Add another card

Merged to Master

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

006. Add ability to upload documents in UploadTranscriptActivity
👁 Sep 17 💬 1 — A

019. Create ForgotPasswordActivity and ResetPasswordActivity
👁 Sep 24 — A

027. Implement functional google map for current user's location
Oct 2 — EO J

139. Set up push notifications. When a session becomes active, send a push notification to both users.
1 👁 Nov 5 📋 — A

200. Set up notification reminders for sessions that have been accepted by the tutor.

+ Add another card

Tutor Dash Development
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Challenges We've Been Facing

- Time constraints
- User interface
- Null pointer exceptions
- Android back stack
- Asynchronous programming (Firebase API)
- Retaining real-time information
- Minimizing reads/writes to Firestore
- Connecting all the pieces in a logical way

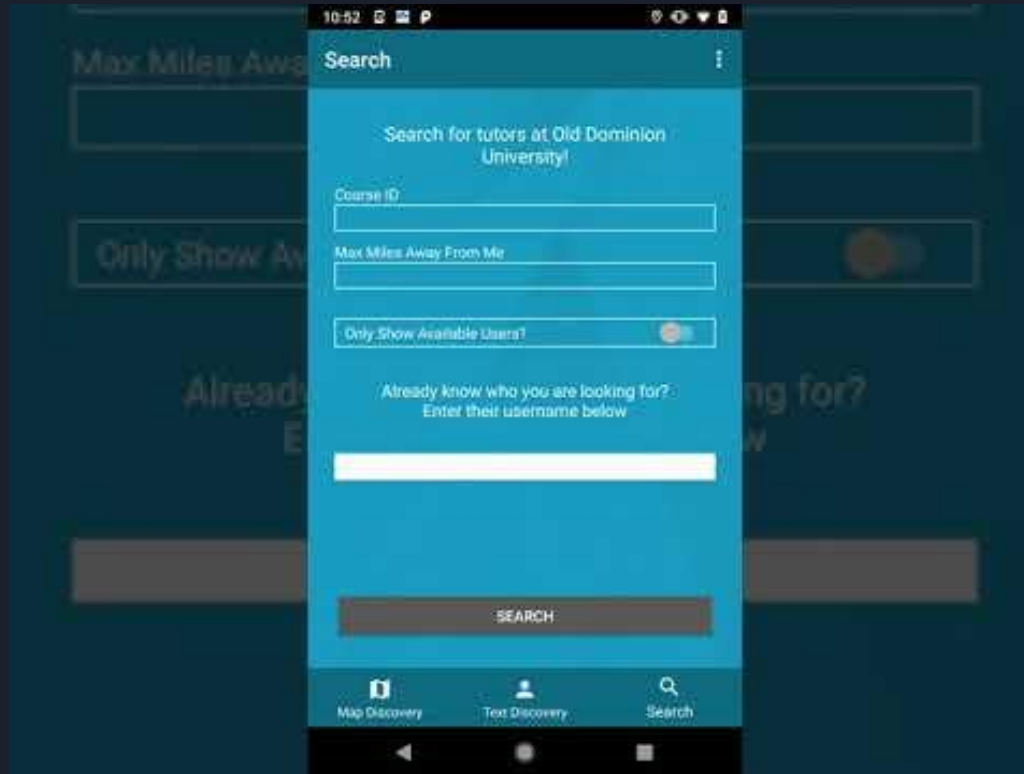# What's Next? (As of Nov. 5th)

Two weeks from now (Nov. 19th)

- Add markers on map representing other user's locations
- Updating locations on back-end
- Add events to user's Google Calendars
- Finish member profile

Four weeks from now (Dec. 3rd)

- Tweak navigation so that all screens are included in the critical use path
- Pay-rate calculation algorithm
- Implement sandbox payment accounts
- User manual/terms of use

Firebase Test Lab (Automated Robo Test)

Questions?