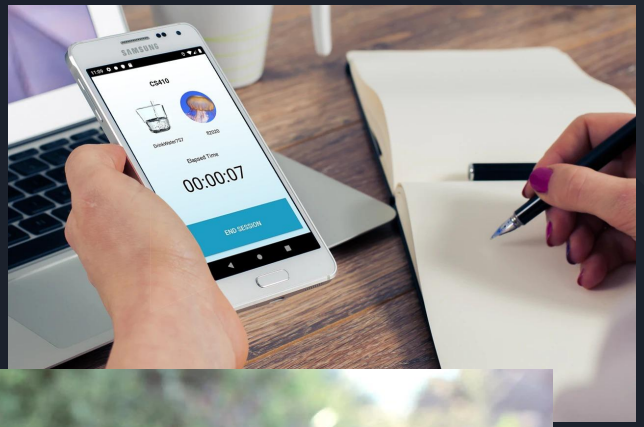
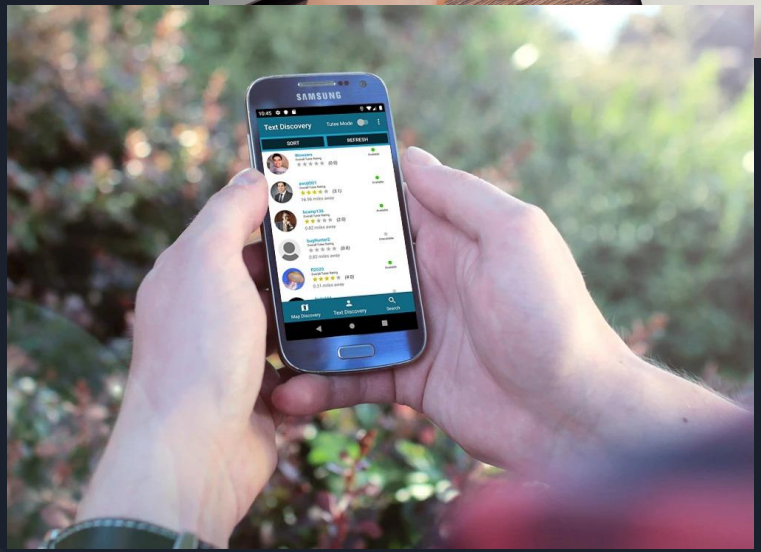
Tutor Dash Prototype Presentation





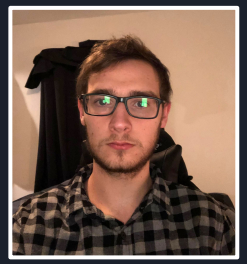
Team Gold
Old Dominion University
Fall 2019
03 December 2019

Team Gold

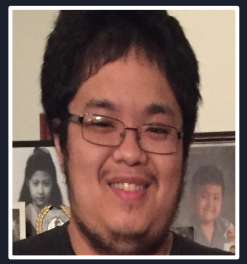
Alex Wojtowicz
Team Lead/Webmaster
DB/Algorithms Developer

Brandon Campbell
Database Manager
Back-End Developer

John Hessefort
UI/UX Developer/Tester
Domain Expert



Duncan Holterhaus
Back-End Developer
Lead Algorithms Developer



Edwin Ordona
UI/UX Tester
UI/UX Developer

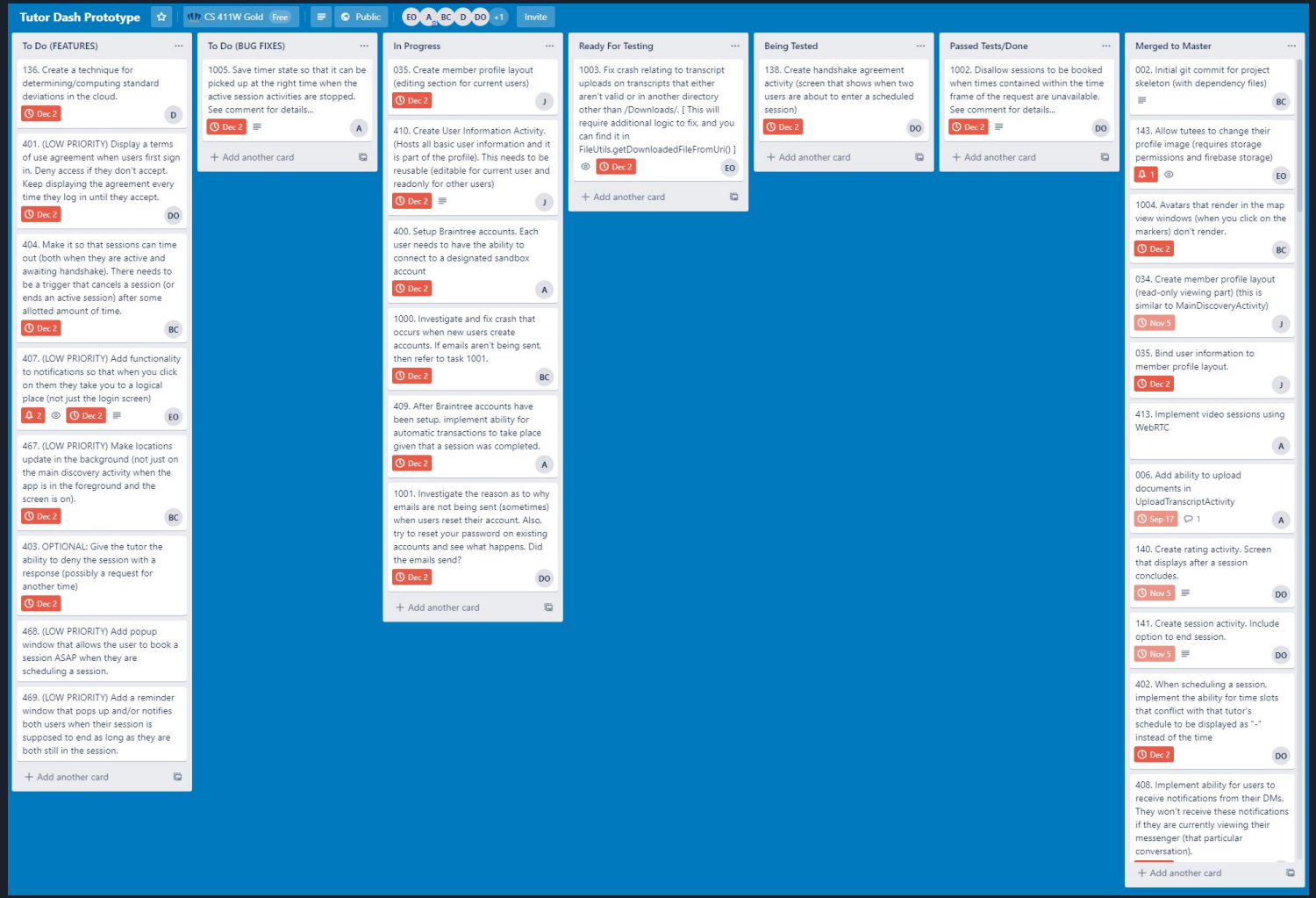
Dwight Owings
UI/UX Tester
Quality Assurance

Main Features (Summarized)

- User accounts
- Transcript parsing to check for official transcripts from universities
- Locate tutors/tutees using various parameters
    - Distance algorithm to show only nearby users in Map Discovery
- Schedule appointments online or in-person, with added ability for video calls and messages
- Payment handling between tutor and tutee, with pay-rates adjusted by course demand and tutor experience/rating.
- In-app payments

What's New From Our Last Presentation

- Implemented Braintree API for payments
- Implemented Pay-Rate algorithm
- Added video conferencing for online sessions via Vidyo.io, in place of Google Hangouts
- Added functionality in user calendar to go directly to a session upon selecting an item in the listing
- Bug fixes
    - Transcripts can now be uploaded from directories other than Downloads.
    - Profile pictures of other users should now display properly on Map Discovery.
    - Upon creating a new account, the application will crash due to issues with obtaining user coordinates. This has been fixed.



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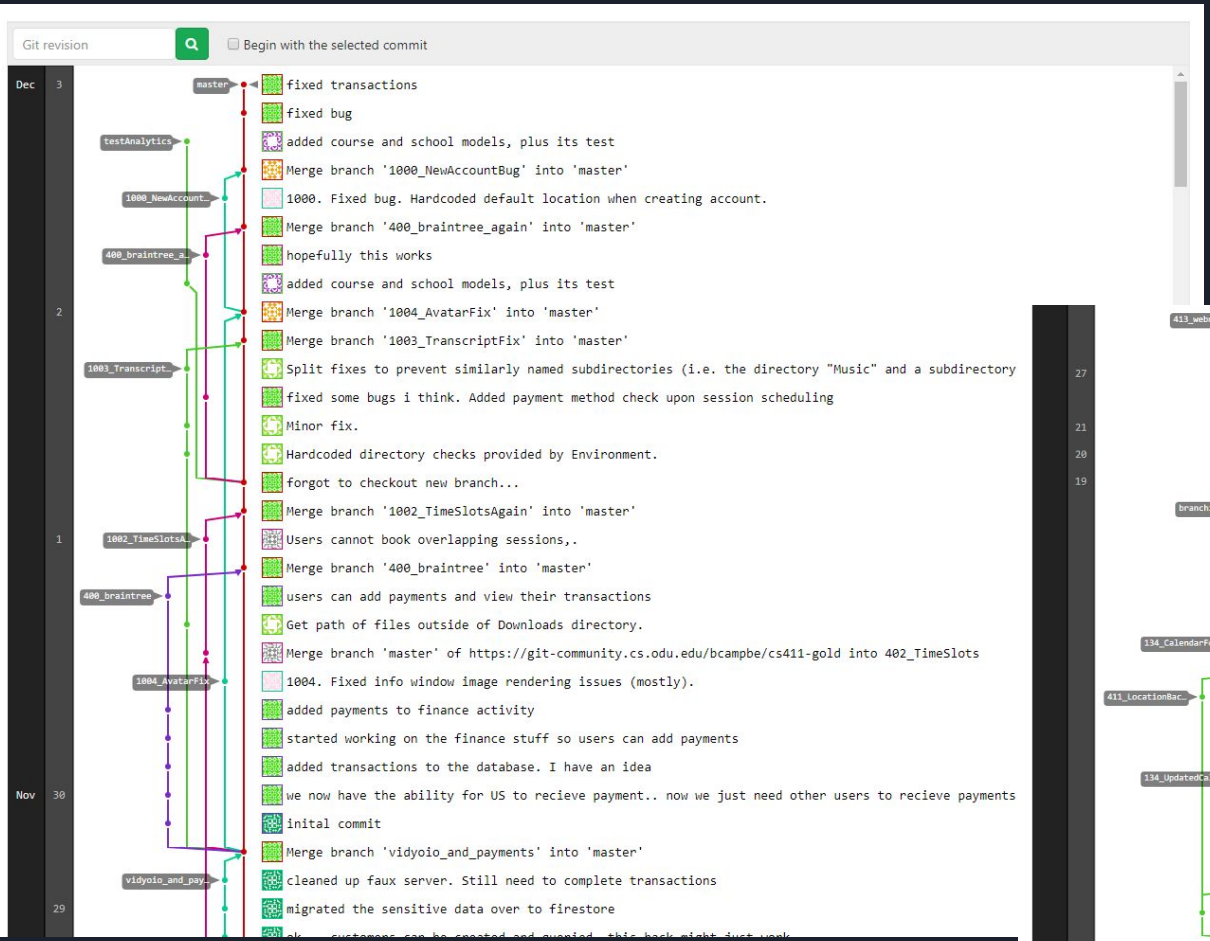
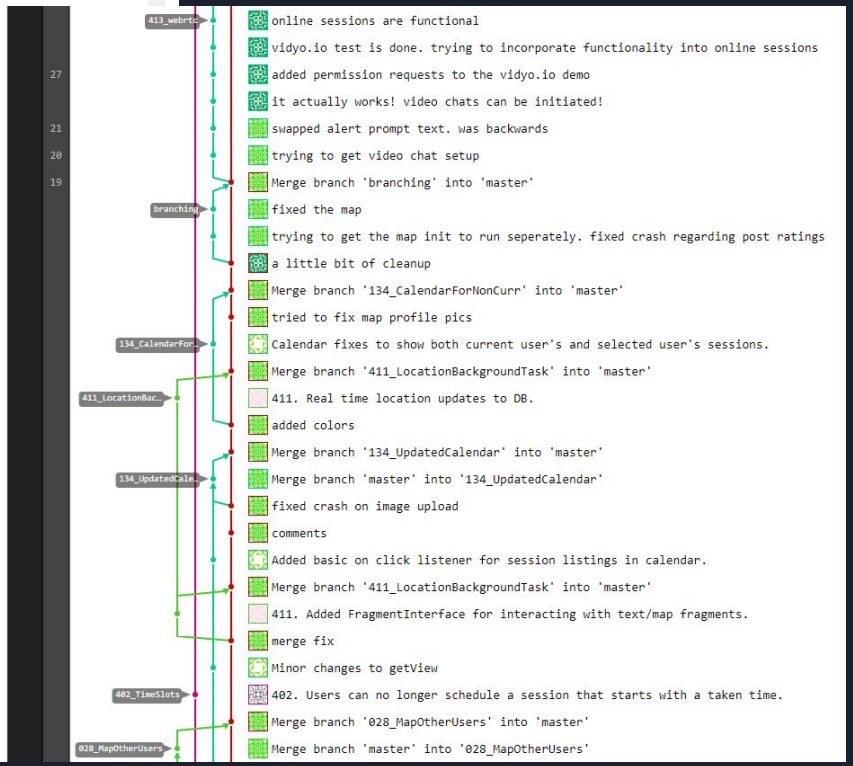
03 December 2019





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What Was Omitted/Unfinished

- Comprehensive payment algorithm
- Direct tutor payments (not possible)
- Rescheduling
- Reviews
- Caching (Developed but not implemented)

Challenges We Have Faced Over the Semester

- **Regression (Previously implemented features are breaking)**
- Non-reproducible Intermittent crashes
- Testing (need very specific setups)
- Google Map
- Braintree Payments
- Video conferencing
- Data synchronization
- Setting up background tasks
- Time restraints

Questions?