CPRE 491 STATUS REPORT #11

April 3, 2020 - April 16, 2020

Group: SDMAY20-52

Project Title: KEY EXCHANGE OUTSIDE OF TCP/IP

Client & Advisor: Julie Rursch

Team Members:

- Logan Woolery　　　　　Lead Integrations Engineer
- Jacob Moody　　　　　　Server Developer Lead
- Joel Wacker　　　　　　Android Developer
- Andre C　　　　　　　　Server Development Tester
- Jack Potter　　　　　　Client Architecture Tester
- Jordan Svoboda　　　　IOS Developer

Past Week Accomplishments

- ❖ Andre- Client-side development
  - ➢ Finished client-side networking
    - ■ Networking functionality enhanced
- ❖ Jacob- Stress testing of backend code
  - ➢ Work on documentation
- ❖ Jack
  - ➢ Client Testing
    - ■ not super effective in android emulator but no other options
  - ➢ Server testing
    - ■ attempting to write stress test scripts

- ❖ Joel
  - ➢ Setup of second physical Android development phone
    - ■ Verified hardware worked on a different phone model
  - ➢ Code generator research and progress
    - ■ Found a few flutter libraries that may fit our needs
    - ■ Started basic design on UI

- ❖ Jordan
  - ➢ Finalized RSA functionality in application
    - ■ Message signing and verification fully implemented
  - ➢ Finished messaging interface

- ❖ Logan
  - ➢ Testing
  - ➢ Work on the end of semester materials
    - ■ Poster
    - ■ Presentation
    - ■ Documentation

Pending Issues
- ❖ Begin creating poster and final materials for presentation

Individual Contributions

Team Member	Contribution	Weekly Hours	Total
Jacob Moody	Development	16	74
Joel Wacker	App Development	17	83
Andre C	App Development	16	104
Jordan Svoboda	iOS development	16	96
Logan Woolery	UI/UX	16	70
Jack Potter	Client testing	17	56

Plans for Coming Week

- ❖ Andre-
  - ➢ Continue to integrate functionality
  - ➢ Test Android/iOS application as new or improved functionality is implemented
  - ➢ Create final demonstration for presentation

- ❖ Jacob-
  - ➢ Continue work on GoDoc
  - ➢ Optional ability to dump messages to file for backups

- ❖ Jack
  - ➢ Continue testing of client and server
  - ➢ presentation/report work

- ❖ Joel
  - ➢ Continue Application development and implementation
  - ➢ Test application between both physical phones
  - ➢ Work on poster, presentation, report

- ❖ Jordan- Continue client side encryption implementation
  - ➢ Continue testing of the application to see if any unseen errors are popping up
  - ➢ Work on final poster, presentation, report

- ❖ Logan
  - ➢ Quality Assurance working
  - ➢ Docs and Materials