

EE/CprE/SE 492 WEEKLY REPORT 3

2/13/2020-2/27/2020

Group Number: 17

Project Title: Development of an App for Android Smart Phone for Pavement Roughness Estimation

Client/Advisor: Halil Ceylan

Team Members:

Tanner Dempsay – Communications Manager

Joe Van Treeck – Data Manager

Christian Royston – Git Master

Justin Kuennen – Web Master

Greg Starr – Logistics Manager

Kyle Eckrich – Report Manager

Weekly Summary

- Backend
 - Kyle has completed connection between database and login functionality. Users can be created and pulled for login checks.
- Frontend
 - Christian has finished login and signup screens. Tanner has connected these to the backend using socket.io calls
 - Justin is working on the recycler view for the route details screen and has completed the route details view.
- IRI calculation
 - Tanner is still working on the python tool that communicates with the server. Him and Joe are working on porting the calculations over to this tool.

Past Week Accomplishments

- Login and signup push/pull with database
- Frontend login and signup are working with backend
- Route list view on frontend is complete

Individual Contributions

<u>Team Member</u>	<u>Contributions</u>	<u>Hours This Integration</u>	<u>Cumulative Hours</u>
Tanner Dempsay	Added network calls to login screens on frontend, added integration and datapoint management to python tool	16	42
Christian Royston	Finished account creation screen and tested login and signup pages for functionality.	14	39

Joe Van Treeck	Testing calculations with known IRI values given by research group we are working with	15	47
Justin Kuennen	Finished route details screen, working on route details view with map	17	41
Kyle Eckrich	Finished login functionality and user insertion to database	20	48
Greg Starr	Working on adding network functionality to route record screen	14	37

Plans for the Upcoming Week

- Add route data push and pull from database
- Finish “beta” version of python tool for IRI
- Finish route details screens
- Connect route details view with login