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CPE 656 Train Trax Project Meeting Summary 10-19-2015

1 message

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10/19/2015

Recap:

) Each Team Member is responsible for a portion of remaining work for term. They can delegate to or request information from any team member.

) We need to get priority from Dr. Kulick about doing an automated solution to collection geometry data. Corey will get answer from Dr. Kulick.

) Team will now submit changes for Monday delivery by Thursday night and review over the weekend each week for corrections.

) We need to complete all outstanding changes to SRS, if possible by this Thursday: 10/22/15

Corey

Done:

Sent out email for linking GitHub To YouTrack

Sent out version 1.2 of SRS out for review.

Created draft for test plan.

Merged in requirements from SRS.

Next Actions:

Update documents to include descriptions for risk.

Send recommendations on prototyping tools for UI.

Setup quick database

Set laser range finders and rail car from Dr. Kulick.

Preferred automated solution.

Grab stickers.

Get clarification on importance for automated solution to collection geometry data.

Try to analyze which effort makes more sense for team automated or manual.

Rashad:

Done:

Working on SRS software interfaces and communication interface sections.

Working on creating formal use cases

Next Actions:

Complete SRS updates and formal uses cases

Stephen:

Done:

SDD template creating still in progress.

Performed initial research into alternatives for sending data from the Motion Detection Unit to the Navigation Library, including WIDI and a WIFI drop-in replacement for XBee.

Next Actions:

Create Activity Diagrams for SRS based on Use Cases and Train Trax interaction with Test Bed.
Complete SDD Template

Team Next Actions:

Review v1.2 of SRS
Complete review of Track Geometry Procedure.

Summary:

Team Reviewed items discussed on 10/15/15. Team agreed to start organizing weekly deliveries. Team should plan changes to be completed by Thursday night, so that the team has the weekend for review and changes. Any additional changes other than corrections should be kept separately and included in the following week's submission.

Dr. Kulick had questions for us: plans for prototyping, and plan for collecting the geometry.

Prototyping wants a prototype for what the UI should look like. Proof that we can correctly determine the shape and size of section of the track.

Team discussed how to address feedback from Dr. Kulick. He mentioned that we really wanted us to have an automated solution for collection train geometry data. Team agreed that we need to determine from him the priority for automation.

If necessary, team will perform an analysis of the effort needed for an automated solution versus a manual solution.

Team also discussed dividing work so that a single person is responsible for the remaining effort needed for this term.

Team agreed to this plan of attack with the following assignments:

Corey:

- .) Improve Procedure for Collecting Train Geometry Data
- .) Collect Train Geometry Data
- .) Create proof-of-concept train database to store geometry data.

Rashad:

- .) Train Trax UI Prototype
- .) Finishing Remainder of SRS

Stephen:

- .) Create Initial Draft of Software Design Document
- .) Create proof-of-concept demo of reading measurements from IMU