THE UNIVERSITY OF ALABAMA IN HUNTSVILLE

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CPE 656 Train Trax Project Meeting Summary 10-22-2015

2 messages

Corey Sanders <cls1432@uah.edu> Thu, Oct 22, 2015 at 7:49 PM
To: Rashad Madyun <rmadyun@gmail.com>, Stephen Jalbert <sgj0001@uah.edu>
Cc: Corey Sanders <cls1432@uah.edu>

Attendees:
Corey Sanders
Rashad Madyun

Summary:
Team discussed that hardware had been collected from Dr. Kulick: rail car, laser range finders, and IMUs.
Spoke briefly with Dr. Kulick about ways for us to test the system. He agreed that using video overhead of the track
may be a viable way to verify the position of the train as it moves along the track, though it will not be
geometry correct, and we will have to have markers visible from the video where we already know the position.
The main challenge with that effort will be synchronizing time. He also verified that LocoNet messages are what is
used to report when a train switches blocks of track. This can be our worst case way to verify that the system is
at least as accurate as their current system. Dr. Kulick plans to work with Jason Winningham to see if it is possible to
create an overhead camera fixture where we can see the entire track overhead and wireless trigger image or video capturing.
He also mentioned that he is looking into creating custom rail cars as the long car is too unstable in practice to use.

During this meeting, we also discussed issues with receiving notifications over email from YouTrack for issues.
When creating issues, for review, be sure to add the PeerReview tag, and add the other team members as Watches.
Assign yourself to the issue. You unfortunately may have to add team members one-at-a-time to include them as watchers.
Also, you can go to the Profile page under the 'head' icon in the top right corner to go to the 'Filters & Notifications'
tab to customize what changes you get emailed about to make sure that you do not miss any.

Corey:

Done:
Updated Risk Management Strategy in Team Operation Document
Created a Project Management Document to include our known risks.
Corrected outstanding defects in Test Plan.
Updated the SRS to include new formatting of requirements.
Sent email to team about UI Prototyping Tools
Picked up Equipment from Dr. Kulick.
Emailed Dr. Kulick about priority of automated track geometry collection (forgot to ask when in his office).

Next Actions:
Add Test Traceability Matrix to Test Plan
Review Issues
Collect Remaining Tools for Geometry Collection
Prepare Test Rail Car for Geometry Collection
Merge in changes into SRS (unless someone else wants to do this)
Follow Up With Dr. Kulick on Status of Camera Fixture.
Follow Up With Dr. Kulick with Status of Rail Car

Rashad:

Done:
Created Use Case Descriptions
Updated Software Interfaces and Communication Interfaces Section.

Next Actions:
Review Issues
Looking at UI Prototyping
Maintain SRS

Stephen:

Done:
[Unknown] On Travel

Next Actions:
Review Issues
Create Initial Draft of Software Design Document
Create proof-of-concept demo of reading measurements from IMU

Corey Sanders <cls1432@uah.edu> Fri, Oct 23, 2015 at 7:23 AM
To: Stephen Jalbert <sgj0001@uah.edu>, Rashad Madyun <rmadyun@gmail.com>

Sorry guys.
Stephen also has the use case activity diagrams to do too

[Quoted text hidden]