CSE 435 - Team PEDAC1: Meeting Minutes

Due Dates:

Wed, Nov. 9 -- Prototype V1 (interface only)
Mon, Nov. 14 -- SRS Requirements Document Template (2 hardcopies of Draft v1)
-- E-copies of SRS distributed to Review Teams and Customers by 12:30 pm
-- Peer Review form for First set of Deliverables
Wed, Nov. 16 -- SRS Inspection Information (Inspections during class)
Wed, Nov. 30 -- SRS Draft2 and Prototype V2
Fri, Dec. 2 -- Camtasia Videos (extra credit)
Mon, Dec. 5 -- Customer Presentations and Demonstrations (12:00 - 2:30)
Wed, Dec. 7 -- Peer Review form for Final set of Deliverables

Important Links:

SRS V1 Grading Rubric
SRS Inspection Guidelines
SRS Document Template
Class Website

October 20, 2016

- Weekly meetings are set for Thursdays at 12pm (hangouts link in Slack)
- Intermediate Project Assignment
    - Weekly meeting time
    - **AI (Sam, Mark)** - Skeletal Website
    - **AI (Tyler)** - Requirements
    - **AI (Wan, CJ)** - Use Case Diagram
    - **AI (Wan, CJ)** - Conceptual Domain Model
    - **AI (Mark, Tyler)** - Add to list of questions for customer
    - **AI (Sam, Tyler)** - Compile Document and questions from everyone
    - **AI (Tyler)** - Submit to CSE Office by Noon (10/21)
- Send parts of Assignment to Sam by tonight

October 27, 2016

- Customer Q&A Transcript (turn in to Dr. Cheng by Noon on Friday, send to client)
    - **AI (Sam, Wan, Tyler)** - Collate documents, reformat, and reword
    - **AI (Wan)** - Send compiled transcript to David Agnew
    - **AI (Sam)** - Send to Dr. Cheng
- Web-based prototype
    - **AI (All)** - Begin building sandbox environment for simulations

November 1, 2016

- Peer Review Forms (link):
    - **AI (All)** - Submit to Sam by tonight, post in Slack for backup

    - **AI (Sam)** - Print documents and submit

November 2, 2016

- Algorithm notes
    - Inputs are vehicle location, pedestrian location, and pedestrian vector
    - High level
        - Get worst case of possible pedestrian actions
        - Calculate time/space path of vehicle
        - Find intersection of worst case pedestrian action and path of vehicle
    - Factor in width of vehicle and radius of pedestrian from middle point
    - Distance measured from front of vehicle
        - Will have to check both front corners for collision distance
    - Base vector calculations currently in Python, probably use JavaScript for web model
- Web prototype
    - Use canvas for simulation
    - Have hard coded scenarios from project description, along with possible user input for custom scenarios
    - Possibly show graph of speed alongside graphical model
- Interface between Algorithm/Web model
    - Tick rate for calculations to be output/displayed
    - Output position/vector information for web model display
- **Deadline for Prototype: Tuesday, 11/8**

November 9, 2016

- SRS Document
    - Need requirements and data dictionary before use case/state diagrams. Make this due by Saturday morning.
    - Marked up document has some specifications, use case diagram, use cases, and domain model
    - Breakdown
        - 1 - Wan
        - 1.1 - Wan
        - 1.2-1.4 - Sam
        - 2 - Sam
        - 2.1-2.3 - Sam
        - 2.4-2.6 - Tyler
        - 3 - Tyler
        - 4 - Models: Mark and CJ, Data dictionary: Wan
        - 5 - Mark
        - 6 - Sam
    - Saturday morning for requirements, Sunday before 7am for models
    - All proofread Sunday and Sam will print, otherwise email to Tyler to print

- SRS Inspection
    - Reviewers: William Norman, Michael Williams, Cameron Rooks; emails in Slack
    - Meet in CHEMS2108 for review session

November 16, 2016

- SRS Inspection
    - Need to formulate list of all changes to make
    - Hold on to markup pages
    - Start working individually on changes from the inspection for original sections once changelist is posted

November 21, 2016

- SRS Revision 2
    - Continue revising SRS document based on changelist from SRS Inspection
    - Mark is working on new prototype version and updating visuals/styling
    - Sam has made a list of changes that need to be made, compiled from marked up document and inspection session notes
    - Tyler is rewriting requirements section to add in lower-level details
    - CJ is redoing models based on original SRS feedback
- Submitting updated SRS
    - Email a copy to client and professor
    - Two hard copies for class on 11/30
    - Update website with new prototype version

December 2nd, 2016

- Presentation
    - Prepare Presentation slides
        - Sam - Intro and Project Overview
        - Tyler - Motivation and Features
        - Wan - Domain Research
        - CJ - Models
        - Mark - Demonstration
    - Rehearse presentation
    - Prepare for questions
- Website Updates
    - Sam will update website with documents
    - Sam will update styling on websites