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
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