Kyle Garber

CS 490

**CS 490 Engineering Notebook**

**9/13:**

* First team meeting with product owner (Professor Garfield) and customer (Professor Laskey).
* Established product vision and expectations.

**9/14:**

* Researched potential app development frameworks.
* Created survey for team to vote on app development framework to be used.
* Created getting started epic and added initial tasks.
* Created sprints in zenhub.

**9/15:**

* Tallied survey results and picked .NET Maui as our development framework.
* Created initial .NET Maui project to be used by team.
* Added .NET Maui project to team’s GitHub in /src folder.
* Researched and experimented with git and .NET Maui app.
* Had meeting to further develop team vision for the application.
* Added 9 new epics to zenhub.
* Created 14 new backlog items on zenhub in new epics.

**9/19:**

* Created images for use in .NET Maui application
* Drafted entry page with options for student and professor login
* Drafted student login page with options to return to entry page or enter session code
* Drafted professor login page with options to return to entry page or enter password

**9/20:**

* Worked on draft entry, student login, and professor login pages
* Met with team to discuss project direction
* Researched alternative methods of project development and compiled findings into a shared team document

**9/21:**

* Added more development research/thoughts into shared team document

**10/4:**

* Team Meeting:
  + Discussed and assigned documentation work
  + Discussed demo plans and goals
  + Split into sub-teams for webapp and simulation work (I am on webapp)
  + Discussed sprint 2 goals
* Experimented further with web design templates

**10/10:**

* Team Meeting:
  + Met with Professor Garfield, was provided with more system details
  + Product description is on the way
* More focused research on product development using Prof. Garfield provided details

**10/12:**

* Begun development on webapp login page
* Experimented with databases, namely mongoDB, and linking mongoDB to webapp to store user information
* Researched NASA spacecraft console design.

**10/13:**

* Team Meeting:
  + Discussed product description provided by Professor Garfield
  + Begun development of sprint one demo presentation
* Worked more on webapp login page and website routes
* Researched similar applications and their respective frameworks

**10/15:**

* Started work on a high-level UML diagram for presentation and webapp development
* Considered several different software design options

**10/16:**

* Finished high-level UML and added it to presentation
* Removed deprecated folders from git repository

**10/17:**

* Created hardware diagram that shows relationship between hardware necessary to our project and added it to sprint one presentation.
* Completed several sections on the sprint one presentation.