Milestone 5

1) Milestone 5: Daily Stand Up Meeting

Condensed 6 min: https://www.youtube.com/watch?v=FQfy5WMFo4I

(Full Meeting :https://drive.google.com/open?id=0B2s2X6XrPYAVenNLcFc5VzRyWms)

On Tuesday, November 15, our group had one of our daily stand up meetings as part of the Agile methodology. During this meeting, we discussed our progress on our second sprint cycle which was to implement the ability for a user to make a posting about sharing a ride and also implement a proper user interface with a design. Therefore this involved connecting the database to the website to make the appropriate SQL queries and also designing a proper web interface that the user can interact with. Each member of our group shared details as to what they had worked on since the last meeting, what they were planning to work on before the next meeting, and any other tasks that needed to be completed to finish their own work.
The following summary is presented in the order that they were discussed.

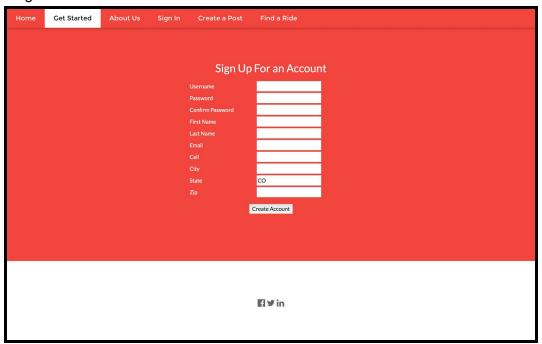| Name:	Summary.
Johnathan Kruse	- Before this meeting: - Worked on PHP database connection scripts for website - Implemented sign in scripts to actual website (not template). - Found Firebase and created a free account for hosting our website. - After this meeting: - As part of sprint cycle two, will work on PHP scripts for writing user posts to database and retrieving - Obstacles: - Need HTML files/design to finish implement database connection scripts for the ability to post.
Jose Escobar	- Before this meeting: - Worked on implementing basic form validation for the website. - After this meeting: - Planning on helping any area that needs attention - Obstacles: - Currently there are no obstacles.
Jiachen Shi	- Before this meeting: - Worked on the database and connection between. - After this meeting: - Find user domain and name for website and consolidating files so development does not stall - Work on keeping user signed-in. - Obstacles:

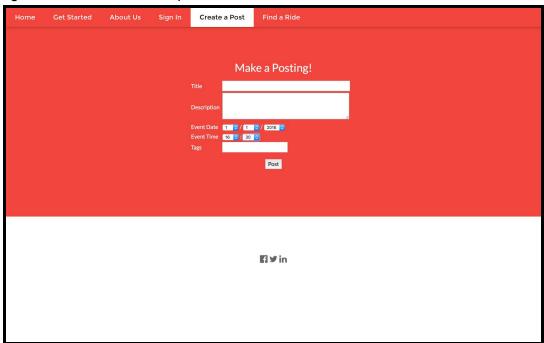|	
	○ Website development in order to host online
Kushal Joshi	• Before this meeting: 　○ Worked on implementing HTML files for website 　○ Implemented user design interface mainly for user sign in. • After this meeting: 　○ Work with Sam on implementing more of the website design consider possible design changes (sprint cycle 2). • Obstacles: 　○ Database connection files need to be implemented with the web pages. 　○ Too many branches on Github - all the main data should be combined into the master branch.
Maxine Hartnett	• Before this meeting: 　○ Worked on implementing PHP for the user sign in page. 　○ Also implemented a HTML template to test scripts with connecting to the database. • After this meeting: 　○ Work on creating a HTML/PHP template for a user to create and view posts (sprint cycle two). 　○ Work on keeping the user signed in (looking into sessions). • Obstacles: 　○ Currently there are no obstacles.
Samuel Henry	• Before this meeting: 　○ Worked on mockups for website design. 　○ Looked into using HTML5 for website. 　○ Worked on implementing a new logo. • After this meeting: 　○ Create an altered logo to represent daytime usage. 　○ Look into implementing HTML5 using Bootstrap. • Obstacles: 　○ Currently there are no obstacles.

2) Milestone 5: Demo to Client

URL: https://drive.google.com/open?id=0B2s2X6XrPYAVeXVlcUF0ZjJRVE0

Screenshots:
A) Page where client creates account:

B) Page where client creates a post:

3) Milestone 5: Retrospective

URL: https://drive.google.com/open?id=0B2s2X6XrPYAVYnYwZlVCYnQ5TkE

Below is a general guideline/summary of the direction of our retrospective group meeting about our second sprint cycle as part of the Agile methodology. Our second sprint cycle was concerned with implementing the ability for a user to create a post about offering carpooling services (e.g. requiring a user interface, connection with database, . . . etc.).

Summary:
1. Keeping track of progress:
   - What went well:
     - Made good progress on individual tasks.
   - What didn't go well:
     - While having separate branches can be good, we may have had too many for this sprint cycle.
   - What could be improved:
     - Consolidate data and use Trello more actively.
     - Use only one file and not multiple.
     - Assign users to specific tasks on Trello to eliminate any confusion.

2. Collaboration:
   - What went well:
     - Close collaboration (as part of Agile process) between members working on website and database.
     - Proper jobs were allocated to people to match their strengths.
     - Using our own branches reduced bugs in master branch.
   - What didn't go well:
     - By not consolidating files, collaboration was slightly constrained because it was more difficult for other members to jump straight into someone else's code.
   - What could be improved:
     - Take more time to plan next iteration cycle to eliminate any inefficiencies by keeping Github more up-to date with the most current working file.

3. Code Inspections;
   - What went well:
     - By using separate branches, we reduced the number of bugs pushed to the master branch (could test product on your own branch before pushing).
   - What didn't go well:

- - ■ Code could be uploaded without any review by other members (therefore bugs could be found).
    - ○ What could be improved:
      - ■ Implementing peer review and code review sessions to eliminate uncertainty of glitches/bugs.
      - ■ Rather than ask everyone to inspect your code (time consuming), assign partners to review each other's code.
        - - At least one other person should approve your code before uploading.

4. Code Documentation:
   - ● What went well:
     - ○ By using separate branches, we reduced the number of bugs pushed to the master branch (could test product on your own branch before pushing).
   - ● What didn't go well:
     - ○ Code documentation like doxygen was not used (hard for others to inspect code).
     - ○ Little use of comments explaining rationale of why we may have implemented a specific function.
   - ● What could be improved:
     - ○ Implement proper documentation and useful comments in order to assist others in code review/collaboration.
     - ○ Construct a list of standards for naming and coding conventions in order to assure consistency across code for next sprint cycle.
     - ○ Have people doing HTML and PHP sit down and talk to ensure we are implementing consistent code between the files.

5. What could be improved towards next sprint cycle:
   - ○ Have more meetings and implement a standard broad set of goals (not specific details necessarily) for members to understand what they need to implement and how they should
     - ■ By having more meetings, we can ensure that we are aware of our sprint cycle goals.
       - - E.g. more meetings could have brought up any of the potential issues from above (perhaps consolidation could be improved if we are all there to explain what our files are doing).