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### **Team E9: Phase 1 Reflection**

#### **What did your team learn?**

During this phase, we learned more about using Google Cloud Service, gathering data from APIs, and storing into and reading from MongoDB. We were able to get a better understanding on how to create a functioning website with Flask and Python, and connect it to GCP to be deployed as a web app. For the APIs, we learned more about the NBA API specifically, and were able to write some test code that could read information using the functions they provided. As for MongoDB, all four team members were new to using it, so we had to learn more about being able to take information and store it in a collection. After learning more about it, we were able to take information from the NBA API and store it into our database for the website. We also learned how to use the Project feature in github in order to organize all of our user story ideas, page ideas, and the API's that we are using.

#### **Five things you struggled with and need to improve?**

We struggled with figuring out how to store information in MongoDB and read from collections. We also struggled with using Google Cloud Service and transferring code between GitHub and Cloud. We need to improve our knowledge on Bootstrap CSS so we can apply more CSS styling to our pages. We also need to improve our knowledge on Javascript to make the pages more interactive. Lastly, we need to improve on adding user accounts (by learning more about Firebase's Authentication feature) and more collections in MongoDB to keep track of our News model.

#### **Five things that just worked well?**

A lot of things went well for us during Phase I. Team cohesiveness was definitely a big strength. We were able to divide some of the work by assigning different user stories to each member while also working together on the About Page. In the process, we were very transparent with what each group member had/had not accomplished. We also had a lot of success creating all of the HTML files for all of our pages. We were able to use Flask effectively to allow the user to navigate between different pages and send requests. We were also able to use Jinja effectively to have HTML pages extend other HTML pages. This really came in handy when we wanted to make sure that all pages had a navigation bar at the top with links to all the other pages. In

addition, we have already started incorporating bootstrap for various website features, such as the navigation bar, and created base stylesheets for our different pages.

**Team Github Repo:** <https://github.com/UT-SWLab/TeamE9>

**Website Link:** <https://ee461lteam9.ucr.appspot.com>

### **Team Info**

Group Name: E9

Members: Andrew Brown, Bibartan Jha, Morgan Murrell, Alina Nguyen

## **Team E9 Contract**

### Meetings

Friday @ 1-3pm on Zoom

Monday @ 4:30-6:30pm on Zoom

### Relative Strengths

All team members are well-versed in social media sites and how the information is gathered on each. All team members have also worked on large-scale projects before.

### Working Styles

Work on smaller sections and debugging each section.

### Team Decisions

We will make team decisions by giving pros & cons of each idea and then deciding which would be the better choice.

### How will work be distributed and who will set deadlines?

At the start of each phase, we will look through the responsibilities and split up responsibilities. Also, if any work can be done independently, we will split those tasks evenly and work on those outside of our meeting times. During each group meeting, we will decide together what needs to be done before the next meeting.

### What happens if someone doesn't meet their commitments?

If someone is not doing their assigned tasks, we should be able to talk to that person, ask them if they're having any problems, and help them figure out solutions.

### How will you resolve conflicts over things such as different work habits?

We will work together to compromise and find a middle ground. Present pros & cons for different ideas and decide based on that.

### How will you communicate and how often?

We will communicate through slack and zoom. We will talk on slack whenever we have project updates/problems to share, and we will talk on zoom in our group meetings (2x a week).

To-Do List Slack channel: list out different tasks that we need to accomplish, delete the specific task message when it is complete to keep track

In terms of code sharing, we will use Github (repo Team E9) to collaborate. In terms of pair programming, we will just share screens through Zoom for now.