

## Sprint Reports

Sprint reports need not be long, but should include a copy of the project's burndown chart, and a summary of what tasks/deliverables were to be completed to-date, and also a summary of what has actually been achieved to-date. Teams should describe any setbacks that caused schedule slippage, and a summary of plans to address this moving forward. Finally, each team will also summarize what they hope to accomplish by the next milestone presentation. **These sections (intended progress, actual progress/problems encountered, and projected progress), should mention specific team members responsible for the areas being described. This gives your instructor another data point to monitor teamwork.** Any revisions to the schedule and/or deliverables should be clearly documented and explained.

## Sprint Report Format

Your sprint reports do not need to be lengthy, but they should be complete, and well-written. The written report should follow this format:

**Sprint X Report** (Prepared by: *Josue Nunez, Alex W, Linhao Yuang* )

**Intended Progress: Each team member should** Describe the features/components you planned to complete by the end of this sprint (the sprint backlog summarized at a high level).

**Progress Reflection: Each team member should** Reflect on the progress of the team to date. Where are things going particularly well? What lessons have been learned so far? What has been accomplished? It is particularly nice if you can include links to the major commits in github (e.g., "I wrote a cool feature ([c06c6eb](#)) that does the following...")

**Problems Encountered: Each team member should** Comment on any significant problems with technical progress or group management. Have there been any substantial changes made to effort estimation and why?

**Projected Progress: Each team member should reflect on any** changes to the backlog (if any) for the next sprint. Once the team velocity is established (consult your velocity chart on ZenHub) this information should be used in planning sprint backlogs. Any major deviations from average velocity should be justified in the report.

**Update of burn down chart:** Update your burn down chart according to the progress made and new effort estimates that you can make after the most recent experiences.

**Teamwork Reflections:** Team reflections specifically detailing what is working well for the team, and areas in which the team needs to improve.

**Conclusion:** Brief overview of the status of the group and project overall.

**Sprint 1 Report** Prepared by: *Josue Nunez, Alex W, Linhao Yuan*

**Intended Progress:**

Team DIG's goal for the first sprint was to start working on an API for the backend, as well as, pulling data from Google Analytics, Google Targeted Search, Facebook Ads, Mail Chimp, and Campaign Monitor.

Alex's goal of this sprint was to pull data from Google Analytics' API. This included pull data for bounce rate, active users and site path.

Linhao's goal for this sprint was to pull data from Facebook's API. And decide on the front end design.

Josue's goal for this sprint was to pull data from Mail Chimp's API and explore how to use the flask library in python.

**Progress Reflection:**

Josue has added a branch in Github called Develop to be able to keep track of code currently being developed to then be reviewed to merge with the main branch. Josue looked through the MailChimp API documentation to figure out how to implement a get request to pull data from MailChimp. He created a mailchimp account and used sample data to test the get request. He was able to complete a successful request on Postman for testing. It requires basic authentication of username that can be anystring as well as a token password which is the API Key. Josue also added code to the routes.py file to start a route to MailChimp Api implementing basic authentication standards for get requests.

Alex believes that the team has done a reasonable job with completing the tasks, but believes the team can strive to be more communicative for the upcoming sprints. Alex was able to become familiar with the Google Analytics API and began developing pull requests for the data. There is more work to be done on the backend, but Alex believes that it's still on schedule for the current sprint.

Linhao has a decent understanding of the Facebook API plus, and he had discussed the front end design with the sponsor. The next step for the front end will be to adding a configuration database so the team will be able to pull and add those configurations to the intended pages when needed.

**Problems Encountered:**

Sponsor added a flask library, essentially creating a Flask App for developing with python which helps jsonify JSON objects. This caused a limitation in running get requests due to unfamiliarity of running python files using flask. Will need to talk to the sponsor to get some insight on this methodology because it is useful for jsonifying.

Pulling data from Google Analytics using the API requires using a valid website and cannot be tested using the Google Analytics Demo Account, so we will need to reach out to our sponsor to gain access

to their website.

The Facebook API has many data, so it requires us to find what our sponsor needs for their clients, also, seems like Facebook only give permissions to those who have an app running, so we need to figure out how to implement a way to pull data from it.

Since the sponsor wants to visualize the data for the client, and for most software that will do it for us, it is kind of pricy, this project is only prove of concept, so the sponsor is not willing to pay for it. We will have to find a way to visualize the data, so there will be a lot of work for the front end.

### **Projected Progress:**

The next sprint will largely consist of creating the backend that will connect all of the APIs. Alex believes that communication will be key as each individual teammate's parts of the project will be coming together. This sprint is critical for further development on the project and will require extra dedication, but He is optimistic that this sprint will be well produced.

Josue believes we have done a pretty good job in preparing ourselves for the next sprint where we will start seeing a lot more coding commits on github as we start implementing the backend base API. Josue hopes we can finish tackling a rough setup of the backend base API soon so that he has a better idea of what the structure will be so he can start running the application code to see get requests live in action. For now Postman will serve as a good tester. Completing our tasks earlier on will be important to be at a good pace.

### **Teamwork Reflections:**

We have done a good job of contacting our Sponsor and getting great feedback in a quick manner from him using discord and google meets. This helped us answer any questions we had, keep us on a good pace, and to be grounded in the goal the sponsor wants us to focus on. As mentioned earlier we have organized our team work with Alex focusing on backend, Linhao on frontend, and Josue helping out on both frontend and backend with a focus on API pulls.

Linhao did a great job of setting up a meeting with the sponsor to discuss over-frontend which helped the team get a better understanding of what the sponsor was looking for.

Alex has been keeping up well with notifying the team about deliverable deadlines and setting up collaboration times.

Josue has done a lot of research in both backend and frontend which will help the team in bridging that development gap for better communication between backend and frontend development as well as offering input.

The team overall has improved a lot in communication making sure we are all on the same page.

### **Conclusion:**

Overall, the team began progress on utilizing the different APIs for the dashboard. It's progressing, but better communication will be necessary for the upcoming sprint. The second sprint will consist of getting the base API for the dashboard and the beginning of drafting the front end of the design. They are confident in their ability to develop this dashboard and do not currently foresee any major issues that'd prevent them from finishing this project.