Team sdmay22-20
Project Title: Transfer Pathways
Date: 10/24/2021

Members:

Cameron Brecount - Co-Lead on User Interface

Ben Greif - Lead on Testing

Curt Lengemann - Lead on Middleware/Backend Design and Development

Riess Radtke - Co-Lead on User Interface

Scott Thurston - Co-Lead on Frontend

Luke Turczynski - Lead on API Mocking/ Backend Design Development

Cole Weber - Co-Lead on Frontend

What we've accomplished in the past week/what we've been researching:

Cameron Brecount - This week I worked on the Results section of the testing document. We received an email from IT earlier that finally resolved a major blocker in this project (we won't worry about the backend at all for the most part). Additionally, I have made a few small PHP projects to help familiarize myself with the language.

Ben Greif - This week, I completed the system and regression testing portions of the testing assignment. Additionally, I attended both our TA meeting and team meeting, in which we worked on and finalized the testing assignment and our PHP template.

Curt Lengemann - This week I completed the unit testing portion of the testing assignment. I also attended all team meetings and worked with the team to finalize the testing document. I also received a walkthrough of using PHP for web development from team member Cole Weber.

Riess Radtke - Over this last week, I worked on the security testing portion of the testing assignment. I also attended the meeting we had with the TA as well as our team meeting that followed. Cole gave us all a short demonstration of php that gave me a good understanding of what it looks like.

Scott Thurston - This week I did my portion of the testing assignment for this week as well as helped make the lightning talk for the testing assignment. I additionally attended all the meetings for the week, then researched and received instruction on PHP from Cole for the PHP template we have to work with.

Luke Turczynski - This week, I primarily worked on the testing assignment and also did the lightning talk. I also tried to learn more about PHP during one of our team meetings.

Cole Weber - Along with attending the TA meeting, I was responsible for the acceptance testing section of our testing document. I also was a part of the group that put together the lightning talk. After the TA meeting and testing assignment overview, I gave a brief template of how PHP is structured and a basic site with Bootstrap to my teammates.

What we're planning to do in the coming week:

Cameron Brecount - I will continue making small test projects to broaden my understanding of PHP by making things that use similar techniques/concepts as our final project.

Ben Greif - In the coming week, I plan to work on next week's assignment, in addition to meeting with our faculty advisor, TA, and team. Additionally, I plan to research how to set up CI/CD in Gitlab specifically with Java Selenium functional tests.

Curt Lengemann - I plan to complete any documentation that is required for class this upcoming week. I also plan on meeting with our faculty advisor to get an idea for what he would like us to complete next. Lastly, I plan to continue messing around with web development using PHP and start thinking about our first steps toward developing our software.

Riess Radtke - Over this next week, I plan to play around a bit with php. I will attend any meetings we may set up in order to lay down a better understanding and plan for the backend/API. I will also work on any reports or assignments that may be given for the week.

Scott Thurston - In the coming week I/we plan to complete whatever documentation is assigned for the course as well as our normal meetings. In such meetings we plan on revamping our design based on new understanding from ISU IT regarding the backend. We also plan on continuing our practice with PHP and in general practice with the environments we will be using.

Luke Turczynski - This week, I'm going to really start to dive into learning more about PHP. I'm also going to meet with ISU IT and try to iron out more details of the project.

Cole Weber - I think I may set up or look into a sample form project that may be similar to what we'll use next semester for development. I also think meeting with our advisor will give some insight on the next steps of the project I and the team will take.

Issues we had in the previous week:

Cameron Brecount - I don't think we have had any new issues over this past week. Some of the recurring issues have been solved while some remain, so there is not much to report here that hasn't been discussed before.

Ben Greif - Unfortunately one of our Admissions IT contacts admitted that a lot of the Workday API specification is a work in progress. Although this was not a surprise, it could create issues if the Admissions team decides to connect our project to the Workday API in the future.

Curt Lengemann - Our largest issue that we had this week was one of the concerns that we had going into the project. Since the Workday backend won't be complete for another couple years, we will have very little idea of what it will actually contain. This will make it virtually impossible to be able to successfully mock the Workday backend in order for very easy integration with the real Workday. We have been told to really focus on the frontend work and ISU IT will do whatever is necessary in a couple of years to use our frontend if they like it. Therefore, we plan to focus most of our efforts on the frontend and more or less make educated guesses when mocking Workday.

Riess Radtke - The biggest issue we ran into was the lack of clarity regarding the backend of our project and Workday. The IT department doesn't really know what Workday will look like which makes it hard and unrealistic to try to develop a mocked version. We are hoping to get more answers regarding how IT and admissions would like us to proceed with that part of development.

Scott Thurston - The issue from this previous week was finding out that ISU IT not only doesn't have any implementation for the backend Workday but also doesn't really even have plans for it yet. We already knew we would have to mock Workday because it wasn't implemented, but we had been under the impression that there were plans for the functionality that we would go off of. This created a bit of an issue with reframing our expectations. Although I will say, it sounds like ISU IT just expects us to make a frontend and based on what I've heard they expect they might then have a good deal of work connecting any assumptions we make to how they implement Workday, so that shouldn't be that horrible for us.

Luke Turczynski - Our biggest issue is just that ISU IT doesn't have any real ideas as to what the Workday API is going to look like, which will make mocking the backend very challenging to test our frontend to ensure everything works. However, it seems as though this may end up changing the scope of our project to exclude the backend and work entirely on the frontend and an middleware that will essentially function as an adapter from the Workday API (once that's all figured out) to our project.

Cole Weber - We had a setback from ISU Admissions with Workday, however, this at least provided more clarity of the project, expectations, and what we should focus on. Ultimately it was an issue that needed to be resolved. It also helped us realize that ISU Admissions may not be super beneficial going forward since we have most of the information we need going forward.