

Team sdmay22-20

Project Title: Transfer Pathways

Date: 10/17/2021

## 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 researched the high-level concepts and ideas of PHP. Our team continued discussing the problem child of our project: 4-year plans. We also presented the project scope document to our advisor that he requested. He wishes to see it again once we have further refined it later on in the semester.

Ben Greif - Early this week I worked on a project scope diagram for our advisor, which included finding some updated use cases for our project. Additionally, I attended our TA meeting and filled out the entire design exploration section for this week's design assignment. Finally, I participated in the design lightning talk.

Curt Lengemann - This week I continued to learn more about PHP and tried to fully understand the work environment we will be using. I also worked with the team on completing the design assignment for this week. I also worked with Cameron and Ben to complete my second lightning talk of the semester. Lastly, I worked on creating fully dressed use cases for our project to help the team understand how the end product should function.

Riess Radtke - This week I met with the team and Ashraf to discuss our project scope and where we were at with getting information on Workday. I worked with the team to complete the design document assignment.

Scott Thurston - This week we worked more on understanding and working out the design for the project. This includes both the actual design assignment for the course, as well as aside

learning from contact with ISU developers and individual and/or group learning on PHP which one person in the group has previous experience with and will be needed for the project.

Luke Turczynski - This week, I continued to attend all of our team meetings. I also completed my assigned portion of the Design Assignment and then attended a follow up team meeting to go over the document to ensure accuracy.

Cole Weber - Along with attending our weekly TA and advisor meetings, I helped work on the design assignment. I worked on the technical complexity of our project and helped review the rest of the document with the team. I also set up a basic PHP environment on Visual Studio Code with PHP and Bootstrap.

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

Cameron Brecount - We will begin defining our testing strategy and technologies in the coming week, as well as once again getting more information about Workday from IT. I will learn more about PHP by following online tutorials and creating small test projects that will use concepts similar to our project.

Ben Greif - I plan to meet with both our TA and advisor in the coming week and potentially the Admissions IT staff based on their availability. Additionally, I plan to work on the testing assignment and reviewing the Workday documentation for our project's backend.

Curt Lengemann - I plan on working with the team to complete the testing assignment for this coming week. I also plan on talking to team member Cole Weber in order to understand better what web development with PHP looks like. Lastly, I plan on trying to set up a meeting with IT to get more information on what exactly the Workday backend returns to our program.

Riess Radtke - This coming week I plan to dive deeper into PHP to gain more of an understanding. Hopefully, as a group, we will be able to meet with a domain expert again to get more answers on the backend. I will work with the group on the testing assignment for this week.

Scott Thurston - This coming week we will be working on the testing assignment for the course. Other than that assignment we will be continuing to work on our understanding of the backend from Workday and getting more explicit answers from ISU developers. As well, we hope to get a walkthrough of PHP from Cole, the member of the group that has formal experience with PHP.

Luke Turczynski - Next week, I'm going to work on the Testing Assignment and will hopefully get a chance to learn some PHP.

Cole Weber - I plan to meet again with the TA, advisor, and hopefully someone from ISU Admissions to discuss the Workday API more. I also plan to setup the PHP environment on GitLab or something similar to help the team out with some more PHP knowledge.

### Issues we had in the previous week:

Cameron Brecount - It seems like we've been given a project that should not have been started for another year or so. Nobody seems to know specifics on Workday, which would explain the delayed and unsatisfactory answers from IT. This coupled with open ended requirements from our client make it very difficult to get a crystal clear understanding of our project.

Ben Greif - One issue I had was receiving our questions from the Admissions IT staff as they were late in returning our questions. However, they did end up following up with us. We will have to look over their materials and send back any further questions we have.

Curt Lengemann - The biggest issue for our team this week was trying to get answers to our questions about our mocked Workday backend. We have gotten very delayed and vague answers from ISU IT about this that haven't been overly helpful. We will probably try to address this in the coming week by trying to meet with them again.

Riess Radtke - Our biggest issue is getting solid answers on all of our Workday related questions. Nobody really seems to be sure what Workday is going to look like and answers we are getting are not very detailed. Time for all of us to meet also continues to be an issue, but having at least 2 meetings a week seems to allow everyone to be there at least once.

Scott Thurston - The big issue we encountered was one I've been worried would become an issue, which is getting answers/cooperation from the ISU developers for Workday. They have been slow to get answers in time with the course requirements and often the answers we get are very unsatisfactory. Our advisor had encouraged us to put "deadlines" on them, however I take issue with this because deadlines imply repercussions to not meeting said deadlines, which we as students have no ability to enforce. Overall it feels like we are at the mercy of others for proper information with this project.

Luke Turczynski - This week, I think our biggest struggle was just that we didn't have access to any real information about what the Workday API can and can't do. It seems like the ISU developers don't even really know, which makes it all very troublesome when we have to ask them for help, and then have to wait over a week like we have been for them to get a response back to us.

Cole Weber - Once again, ISU Admissions weren't the most helpful, but I'm not surprised since it's a senior design project. At this point the team has been working individually on assignments which have been effective the majority of the time. I hope we can continue to effectively work like this through this semester and next.