**Senior Design 2018-2019**

**Project Transition Plan**

The transition plan is used to facilitate how the project will be fully transitioned to the sponsor organization. It is used to describe how deliverables of the project will handled and ensure that the Senior Design project teams have effectively produced, communicated and delivered the intended product.

Not all sections of this template may be applicable for your specific project or organization. You should feel free to add, move, rename, consolidate, or remove sections to best fit your needs and your project. Also, keep in mind the final transition plan of the project is negotiated between sponsor organization and the student team during Release 5 and 6 of the Senior Design process.

**360-Degree Product Photography – Spreetail**

|  |  |
| --- | --- |
| PREPARED BY: | Jared Nightingale, HaoZhou Li, Yang Xiao, Brett Middle, Anthony Tran, Taher Ahmed, and Ryan Gallus |
| DATE: | March 07, 2019 |

**Project Overview and List of Expected Deliverables**

*Our project is to create a hardware and software solution that allows a user to control hardware that takes consistent, high quality photography of rotating products. The solution should allow the user enter an item ID to take preview images as well as a full rotation of images of a product. It is also required to allow the user to select which photos to save into storage. The product should rotate on an electric turntable in order to capture images from many angles.  
 Our solution consists of a user friendly front end built in react that allows a user to take a preview or full 360 capture of a product. It also allows the user to select which photos to keep and save to Spreetail’s Azure Storage. The solution also consists of a hardware portion, containing two DSLR cameras, two tripods, an electric turntable, and a controller to send commands to the cameras. Finally, the solution contains a communication layer that allows simple and fast data transfer between the front and back ends. For this layer, we are using Azure’s Message Bus Service. Overall, this solution provides high quality and consistent photography of a product rotating on an electric turntable.*

**Expectations of Transition**

* *Front end of project will be deployed into Spreetail’s Azure Environment*
* *Back End (Control Tower) will be transferred to Spreetail (Spreetail will move hardware to Dallas Studio Post-Project)*
* *Content/Software Squad will take over project*
* *Demo/showcase to give Spreetail necessary background on project*
* *Final Documentation Transferred to Spreetail*

**Timeline**

*For all of the items identified in the following sections, when precisely will these activities happen?*

**Timeline Activities Identified**

|  |  |  |  |
| --- | --- | --- | --- |
| *Activity* | *Description* | *Date or Date Range* | *Owner* |
| ***Front End Deployment*** | *The front end for the project will be deployed into Spreetail’s Azure Environment.* | *3/11/19* | *Content/Software Squad* |
| ***Back End to Spreetail*** | *The back end (control tower and hardware) will be transferred to Spreetail’s Main office.* | *4/26/19* | *Ryan Gallus* |
| ***Content/Software Squad Continuation*** | *Spreetail’s Content and Sofware Squad will continue the project after handoff.* | *4/26/19* | *Ryan Gallus* |
| ***Demo/Showcase to Content/Software Squad*** | *A Demo/Showcase is required with the Content and Software Squad present in order to ensure that Spreetail has all the necessary knowledge and information to continue the project further.* | *3/15/19 - 4/26/19* | *Ryan Gallus* |
| ***Final Documentation*** | *The final documentation will be delivered to Spreetail.* | *4/26/19* | *Ryan Gallus* |

**Testing**

*Are there outstanding items with testing? Does the sponsor organization require additional testing before accepting the solution?*

* *Front End User Testing*
* *Unit/Integration Test Suite*

**Training**

**User Training**

* *Documentation for how the Front end should be used*
* *Documentation for Hardware Troubleshooting*
* *Initial Hardware Setup Documentation*

**Technical Training**

* *Documentation of Hardware Requirements/Constraints*
* *Documentation of Libraries/Languages used*

**Training Tasks Identified**

|  |  |  |  |
| --- | --- | --- | --- |
| *Training Needed* | *Description* | *Person to be trained* | *Status* |
| ***Hardware Requirements/Constraints*** | *Documentation for the requirements of the hardware used, such as camera requirements and constraints.* | *Content and Software Squad* | *In Progress* |
| ***Libraries/Languages Used*** | *Documentation of the libraries used in the project as well as languages used and why.* | *Content and Software Squad* | *In Progress* |

**Supporting Artifacts**

* *Installation Guide for Hardware Components*
* *Architecture Diagram for Overall Project Communication*
* *Future Enhancements or Direction Documentation*
* *Known Bug Report & Current Status of Each*