**Project Charter**

**NASA EVA Gamification**

**Phase 2**

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## **Revision Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version #** | **Change Description** | **Author** | **Date** |
| 1.0 | Initial Release | Kelli Corey | 6/10/2018 |
|  |  |  |  |
|  |  |  |  |

## **Executive Summary**

NASA EVA Wiki is used to support the Extravehicular Activity (EVA) group’s knowledge management processes. The ultimate goal of the project is to gamify the NASA EVA MediaWiki. Gamification is the process of integrating gaming mechanics into existing product or process to increase user participation and engagement. Gamification would increase the effectiveness of NASA wiki usage by applying motivational techniques which make users engaged and encouraged to learn or use the product more.

Phase one of the project, which included user profile creation, email verification, and database setup related work, has been completed by a prior team. Phase two is the continuation of the NASA wiki gamification project after the successful completion of phase one. Phase two is the continuation of the NASA wiki gamification project after the successful completion of phase one. Phase two will focus on adding different elements of gamification to the existing product. The elements will include adding different personality types, simple point system, badges, and adding a leaderboard.

## **Preliminary Scope Statement**

Phase 2 of the project is the continuation of the work on the wiki project from the previous team. This phase will build an extension that provides a consolidated infrastructure allowing for adding different elements and approaches to gamification. Through this single extension, many different personality types could be addressed with a unified system. It will include simple point measurement, badge rewards system, and leaderboard ranks system, but the system will be scalable to allow for other personality types like socialites and explorers.

## **Milestone Schedule Summary**

The summary milestone schedule is shown below. As requirements are refined, changes to the schedule may be made.

|  |  |  |
| --- | --- | --- |
| Milestone | Deliverables | Completion Date |
| Milestone 1 | * Project Charter * Project Management Plan * Stakeholder Analysis * Presentation to Stakeholders | 06/10/2018 |
| Milestone 2 | * Test Plan * Design Documents * Requirements * Updated project documents | 07/01/2018 |
| Milestone 3 | * Project Code * Initial Testing Results * Updated project documents | 07/22/2018 |
| Milestone 4 | * Completed Project Code * Final Testing Results * Handover Documentation * Presentation to Stakeholders | 08/12/2018 |

## 

## **Constraints & Assumptions**

### **Constraints**

* The project team will not have access to the actual NASA MediaWiki environment or data.
* The project will meet the requirements and specifications as described in the Project Management Plan.
* The Scope of phase two of the project is limited by both the number of team members and the length of time available to complete the project.

### **Assumptions**

* It is assumed that any extensions developed in the project team’s MediaWiki environment will be compatible with the NASA MediaWiki environment.
* It is assumed that any content in the NASA MediaWiki environment is not relevant or necessary to the development of the project.
* It is assumed that the information provided by the Phase 1 team is accurate, complete, and up-to-date.

## **Risks & Dependencies**

* Completion of Phase 2 of the project is a continuation of Phase 1 of the project.
* Due to the limited number of members on the team, a team member dropping the class or being unavailable could pose a significant risk to the project.
* Team members have different levels and types of experience, which can lead to over-reliance on one or two members in various areas.

## **Stakeholders**

**Client**

Daren Welsh, EVA Instructor and Flight Controller

**Sponsor**

Extra-Vehicular Activity (EVA), Johnson Space Center, NASA

**Project Manager**

Dr. Michael Brown

**Project Team Members**

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