**Project Charter**

**NASA EVA Gamification**

*Group 3*

**Prepared By**

Victoria Guadagno

Okechukwu Ogudebe

Jacqueline Macfadyen

Michael Salgo

Kevin Fortier

# Background

This project will gamify the NASA EVA MediaWiki. This will allow users to track their usage. The games will encourage both the competitive and the collaborative users. Gamification creates a user-friendly way to create complex goals and break them down into smaller pieces, all while making users feel that they are accomplishing something.

This project will create an extension to MediaWiki and will be open source which will allow future developers to continue to expand upon the games being defined.

# Goals

* Define and create a set of database tables to support the games
* Define and develop a user profile that will track the user’s badges and progress through the games
* Define and develop a game that will track user edits

# Project Scope

At the end of the Spring 2018 semester, a set of database tables, a user profile, and a single game will be developed. In addition, documentation will be developed to hand off to the next team of students so that they can continue to expand upon the work that was started.

In this semester, we will be producing a structure that can be built upon by future semesters. This semester will not produce a fully functioning gamified system, but rather the first steps towards this goal.

Each semester will define their own scope and will not be limited by the previous semester’s scope.

# Key Stakeholders

|  |  |
| --- | --- |
| Client | Daren Welsh |
| Sponsor | Extra-Vehicular Activity (EVA), Johnson Space Center, NASA |
| Project Manager | Dr. Michael Brown |
| Project Team Members | Victoria Guadagno, Okechukwu Ogudebe, Jacqueline Macfadyen, Michael Salgo, Kevin Fortier |

# Project Milestones

## Milestone 1:

Start Date: 01/29/2018

End Date: 02/18/2018

Deliverables: Project Charter, Stakeholder Analysis, Project Schedule, Project Management Plan

## Milestone 2:

Start Date: 02/05/2018

End Date: 03/11/2018

Deliverables: Requirements Document, User Profile Design, Game Design, User Interface Design, Database Design

## Milestone 3:

Start Date: 03/09/2018

End Date: 04/01/2018

Deliverables: Database Script, User Profile Code, Game Code, Testing Reports for Database, Database Documentation, User Profile Documentation, Game Documentation

## Milestone 4:

Start Date: 04/02/2018

End Date: 04/22/2018

Deliverables: Handover Documentation

# Constraints, Assumptions, Risks and Dependencies

|  |  |
| --- | --- |
| Constraints | * Adhere to standards provided in specifications |
| Assumptions | * We can create a MediaWiki that is the same as NASA’s |
| Risks and Dependencies | * Reliance on an older version of MySQL/MariaDB, PHP, MediaWiki * Due to small group size, knowledge is segmented – inadequate backups * Delayed communication due to time zone and availability limitations * Open source platforms may be susceptible to attacks which may end up patched in newer versions that are out of scope of this project – this can leave open vulnerabilities * Due to the nature of a class, team members may become unavailable or drop the class |