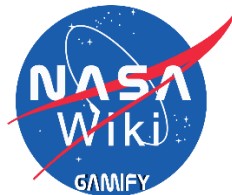


# NASA EVA Gamification

## HANDOVER DOCUMENT - Future Recommendations

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**PHASE II**



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## Table of Contents

<b>Introduction</b>	<b>3</b>
<b>Recommendations By Phase 2 Development Team</b>	<b>3</b>
<b>Total Points Indicator</b>	<b>3</b>
<b>Show/Hide Contributors</b>	<b>3</b>
<b>Show Monthly Contributions</b>	<b>3</b>
<b>Recommendations By Stakeholder</b>	<b>3</b>
<b>User Requirements</b>	<b>3</b>
<b>Functional Requirements</b>	<b>4</b>
<b>Points Allocation Requirements</b>	<b>4</b>
<b>Profile Requirements</b>	<b>4</b>
<b>Database Requirements</b>	<b>6</b>
<b>Non-Functional Requirements</b>	<b>6</b>

<b>Version Number</b>	<b>Description of Change</b>	<b>Author</b>	<b>Date</b>
1.0	Initial Creation of Document	Charles Milk	8/3/18
1.1	Updated the document	Samia Alam	8/11/18

## Introduction

The goal of this document is to provide future recommendations and requirements that the next development team could use to fulfill the goal of NASA EVA Gamification Project. Some of the recommendations were put forward by the Phase 2 Development Team as possible suggestions for future development. Additionally there is a list of future requirements that were collected based on the needs mentioned by the stakeholder.

## Recommendations By Phase 2 Development Team

### Total Points Indicator

Change how the leaderboard displays a user's points from a total count number to a speedometer format with a needle dial with colored sections for the successive levels.

### Show/Hide Contributors

Display a table of all contributors to the current page with the date of each contribution using a show/hide checkbox

### Show Monthly Contributions

Show a histogram of daily contributions (both adds and edits) to the current page over the last month

## Recommendations By Stakeholder

### User Requirements

ID	Requirement	Source of Requirement
U8	Make games scalable	Daren Welsh
U9	Front-end code can be in JavaScript	<a href="https://github.com/darenwelsh/Profile">https://github.com/darenwelsh/Profile</a>
U10	Include collaborative games	Daren Welsh

U11	Include competitive games	Daren Welsh
U12	Design and build an extension to make use of real-time events through the use of hooks for immediate feedback while also making use of the entire history of the wiki	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>

## Functional Requirements

### Points Allocation Requirements

ID	Requirement	Source of Requirement
F35	Be able to get points for activities done before extension is installed	Daren Welsh

### Profile Requirements

ID	Requirement	Source of Requirement
F07	User Profile should display date of first page viewed	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F08	User Profile should calculate the number of days being a viewer	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F09	User Profile should display unique pages viewed ever	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F10	User Profile should display unique pages viewed over a specified period of time	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F11	User Profile should display the number of unique pages revised ever	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F12	User Profile should display the number of unique pages revised over a specified period of time	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F13	User Profile should display a list of categories of pages revised in descending order by percentage of pages in that category that the user has revised	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F14	User Profile should display a list of friends/colleagues based upon categories of pages that both users heavily contribute to, in descending order	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F15	User Profile should display the Page Diversity Percentage - defined as percentage of all pages the	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>

	user has edited - over all time and over a specified period of time	
F16	User Profile should display the Category Diversity Percentage - defined as percentage of all categories the user has edited - over all time and over a specified period of time	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F17	User Profile should determine colleagues by similar technical content based on similarities in words used	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F18	User Profile should display a graph displaying revisions over time in one color and discussion page revisions in another color	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F19	User Profile should display a GitHub-like contribution visualization showing how much a user contributes each day	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F20	User Profile should display streaks (for example, how many days in a row has the user contributed?)	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F21	User Profile should display the pages that the current user has edited that others view the most	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F22	User Profile should display the User's score-view ratio - current value and plot over time which would be used to see the number of pages viewed versus which pages were edited	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F23	User Profile should plot user activity and average activity over time with standard deviation (box plot over time) which would track a user's revisions over time as compared to the average contribution for the wiki	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F24	User Profile should display the date of first revision	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F25	User Profile should calculate the number of days being a contributor	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F26	User Profile should display the number of unique page view per day	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F27	User Profile should display the number of recent revisions to pages	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F28	User Profile should display the number of thanks by other users	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F29	User Profile should display type cast which designates revising size frequency (large edits versus small edits), number of pages revised, grammar correctors, source documentation citers – breaking these behaviors out can allow for user comparison/grouping	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F36	User Profile should analyze text added in revisions by person over time and compare users with similarly	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>

	used words who may share common backgrounds, job roles, or interests	
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## Database Requirements

ID	Requirement	Source of Requirement
F30	Be able to show page contributor diversity over time on every page - plot showing how many people have contributed to the page as a function of time	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F31	Be able to show Next Page to revise suggestions on every page to provide calculated pages that the user may wish to revise based on historical information	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F32	Be able to show the history page revisions on every page	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F33	Be able to show the history of viewer count on every page	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>
F34	Be able to show the history of user diversity count on every page	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>

## Non-Functional Requirements

ID	Requirement	Source of Requirement
NF2	Clear documentation should be created documenting how to install, configure and use the extension; it should include screenshots and animated GIFs	<a href="https://github.com/darenwelsh/Profiler">https://github.com/darenwelsh/Profiler</a>