User Requirements Specification

PaperDragon

Author: Andreas Staudacher, Florian Gartner, Georg Schmitzer

Date: 20180510

Version: 1.1

# Document Control

**Project participants**

| Name |
| --- |
| Andreas Staudacher |
| Florian Gartner |
| Georg Schmitzer |

# 

# Table of Contents

[1 INTRODUCTION 4](#_Toc513723681)

[1.1 Objectives 4](#_Toc513723682)

[1.2 History 4](#_Toc513723683)

[1.3 Scope 4](#_Toc513723684)

[2 Requirements 5](#_Toc513723685)

[2.1 Functional Requirements 5](#_Toc513723686)

[2.1.1 Common Features 5](#_Toc513723687)

[2.1.2 Social 5](#_Toc513723688)

[2.1.3 Forum 5](#_Toc513723689)

[2.1.4 Security 6](#_Toc513723690)

[2.2 System Requirements 6](#_Toc513723691)

[2.2.1 Hardware 6](#_Toc513723692)

[2.2.2 Software 6](#_Toc513723693)

[3 References 6](#_Toc513723694)

[3.1 Acronyms and Definitions 6](#_Toc513723695)

# INTRODUCTION

## Objectives

The purpose of this document is to inform the readers about our web application and its different parts. It describes what the goal of the web application is and the purpose for its existence. This document describes what the web application will do but not how it will do it.

## History

Our web application is a tool to support the current pen and paper community and games like Dungeon and Dragons. The existing system is the pen and paper community and the corresponding games.

## Scope

The webpage should allow users to create an account and log in when they already have one. A normal user can create a character and manage different stats like health points, level and experience. Additionally, they can manage their inventory by adding items, deleting them, transferring them to other users or buy and sell from NPCs(non-player-character).

Furthermore, a user can add other users as friends, join groups and chat with people, so that users can organize themselves and play games together.

Administrators can disable or ban other users, change passwords and change stats and the inventory of any character.

Lastly, a nice to have feature would be a forum with the standard functionality like creating threats, posting in them, editing and deleting your postings, attaching pictures and possible a pdf export function, so that for example if someone writes a guide you can download it.

Planning Phase

* Project proposal
* User Requirements Specification

Development Phase

* Implementing the mandatory features
* Implementing the highly desirable features
* If there is enough time
  + Implementing the desirable features
  + Implementing additional features

Testing Phase

* Testing the webpage
* Refinement

Presentation Phase

* Presenting the final webpage

# Requirements

All requirements are defined in point form and are rated either Mandatory (M) or Highly Desirable (HD) or Desirable (D), dependent on business need and University Policy.

## Functional Requirements

### Common Features

| **Requirement** | **Preference** |
| --- | --- |
| * + - 1. As a user, I want to sign up on the web application so that I can log in. | M |
| * + - 1. As a user, I want to log in on the web application so that I can get to the site, which provides me an overview of all functions of the website, and can access, for example, my character data. | M |
| * + - 1. As a user, I want to create a character so that I can use him in a game. | M |
| * + - 1. As a user, I want to manage my characters stats so that I can see their current values. | M |
| * + - 1. As a user, I want to manage my inventory so that I can see my items. | M |
| * + - 1. As a user, I want to trade items with other players or NPCs to manage my inventory easily and give deeper involvement in the world. | M |
| * + - 1. As a user, I want to see a list of all the existing items so that I can add them to my inventory. | M |
| * + - 1. As a user, I want to search in the list of all the existing items so that I can quickly find a specific one. | M |
| * + - 1. As a user, I want to see how many users are online because I find that interesting. | D |
| * + - 1. As a user, I want to see pictures of items in the inventory so that I feel more immersed in the game world. | M |
| * + - 1. As an administrator, I want to disable or ban other user so that I can remove people that misbehave from the community. | M |
| * + - 1. As an administrator, I want to change stats from other characters or reset passwords from users so that I can assist them if they have problems. | M |
| * + - 1. As a user, I want to download my Character and the Inventory as a pdf. | M |
| * + - 1. As a user, I want to download the Character page as a pdf where the layout and design is optimized so that I can print it out. | HD |

### Social

| **Requirement** | **Preference** |
| --- | --- |
| * + - 1. As a user, I want to have a friend list so that I can stay in touch with people I like. | M |
| * + - 1. As a user, I want to join a group so that I can easily stay in contact with the people I currently play with. | HD |
| * + - 1. As a user, I want to have a block list so that I do not get messages from people I do not like. | HD |
| * + - 1. As a user, I want to chat with so that I can easily communicate with them. | M |

### Forum

| **Requirement** | **Preference** |
| --- | --- |
| * + - 1. As a user, I want to have a forum so that I can find other people that want to play or get help if I have problems. | M |
| * + - 1. As a user, I want to create threats and posts so that I can share information and communicate with other users. | M |
| * + - 1. As a user, I want to edit or delete my posts so that I can change them if I made a mistake or situations changed. | D |
| * + - 1. As an administrator, I want to change posts from other users so that I can change them if they are inappropriate. | D |
| * + - 1. As an administrator, I want to delete posts from other users so that I can change them if they are inappropriate. | M |

### Security

| **Requirement** | **Preference** |
| --- | --- |
| * + - 1. As a user, I want to have a password so that nobody else can use my account. | M |
| * + - 1. As a user, I want to have a security question so that I can reset my password in case I forgot it. | M |

## System Requirements

### Hardware

| **Requirement** | **Preference** |
| --- | --- |
| * + - 1. No special hardware requirements are needed. |  |

### Software

| **Requirement** | **Preference** |
| --- | --- |
| * + - 1. Up to date browser required. | HD |

# References

## Acronyms and Definitions

| **Acronym or Term** | **Definition** |
| --- | --- |
| NPC | Non-player-character |