Software Requirements Specification

for

D&D Character App, Release 1.0

Version 1.0

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Table of Contents

Table of Contents ii

Revision History ii

1. Introduction 1

1.1 Purpose 1

1.2 Project Scope and Product Features 1

1.3 References 1

2. Overall Description 1

2.1 Product Perspective 1

2.2 User Classes and Characteristics 1

2.3 Operating Environment 2

2.4 Design and Implementation Constraints 2

2.5 User Documentation 2

2.6 Assumptions and Dependencies 2

3. System Features 2

3.1 Order Meals 2

3.2 Create, View, Modify, and Delete Meal Subscriptions 6

3.3 Register for Meal Payment Options 6

3.4 Request Meal Delivery 6

3.5 Create, View, Modify, and Delete Cafeteria Menus 6

4. External Interface Requirements 6

4.1 User Interfaces 6

4.2 Hardware Interfaces 7

4.3 Software Interfaces 7

4.4 Communications Interfaces 7

5. Other Nonfunctional Requirements 7

5.1 Performance Requirements 7

5.2 Safety Requirements 8

5.3 Security Requirements 8

5.4 Software Quality Attributes 8

Appendix A: Data Dictionary and Data Model 8

Appendix B: Analysis Models 12

Revision History

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| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
| Zoe Baker | 9/21/16 | Initial Draft | 1.0 Draft 1 |

# Introduction

## Purpose

This SRS documents the functional and nonfunctional requirements for the D&D Character App. It is intended for use by the project team to guide the development of the app. This document specifies the requirements for version 1.0.

## Project Scope and Product Features

The D&D Character App will allow users to walk through a character builder for the 5th Edition of D&D and save the character for later reference and possible changes.

# Overall Description

## Product Perspective

The D&D Character App is a new mobile application that provides an easier, more automated way to lead players through the activity of making a character for 5th Edition D&D.

## User Classes and Characteristics

|  |  |
| --- | --- |
| Player | A player is a person who uses the app to create or look at previously created characters. This class is primarily players or even the DM of a 5th Edition Dungeons and Dragons game. This class can be considered the end user of the application. Players will be able to review their made characters, create a new character, send a character sheet to a pdf, and edit/level up their characters. |

## Operating Environment

OE-1: The D&D Character App shall operate with the following mobile operating systems: Android 4.1 (Jellybean) or greater.

OE-2: The D&D Character App shall access a local SQLite database to pull information from to populate character builder.

## Design and Implementation Constraints

CO-1: The application will conform to Android suggested coding and design practices.

CO-2: The application will meet all Google requirements for deploying to the app store.

## User Documentation

UD-1: The app will provide a Help page with instructions on use and troubleshooting if needed.

## Assumptions and Dependencies

DE-1: The operation of the D&D Character App depends on changes made to the Android API.

# System Features

## Create a Character

3.1.1 Description and Priority

Player can choose to create a new character and walk through guided character creation to streamline 5th Edition character creation process. Priority = high.

3.1.2 Stimulus/Response Sequences

Stimulus: Player initiates creation

Response: Application prompts player to choose race, class, etc. while saving the entered/selected data.

3.1.3 Functional Requirements

TBA

## View Characters

3.2.1 Description and Priority

Player can view a list of all created characters and open them up to see details, delete, or level up/edit, and get roll generation options. Priority = high.

3.2.2 Stimulus/Response Sequences

Stimulus: Player selects view option and character

Response: Application pulls up character details and options

3.2.3 Functional Requirements

TBA

## Export Character

3.1.1 Description and Priority

A player can choose a character to have a pdf generated and given sharing option. Priority = low.

3.1.2 Stimulus/Response Sequences

Stimulus: Player requests export/share

Response: Application generates pdf character sheet, can email it

3.1.3 Functional Requirements

TBA

## Share a Character

3.1.1 Description and Priority

The player will be able to export a character as a JSON text file which will be transferred to the new devices folder and loaded into the app on startup. Priority = low.

3.1.2 Stimulus/Response Sequences

Stimulus: Player initiates export

Response: Application generates a JSON file for the user

3.1.3 Functional Requirements

TBA

# External Interface Requirements

## User Interfaces

UI-1: The D&D Character App shall be navigable via touch screen.

## Hardware Interfaces

No hardware interfaces have been identified.

## Software Interfaces

SI-1: Catch Report Database

SI-1.1: The Catch Report App shall store collected data in the database programmatically.

SI-1.2: The Catch Report App shall access information regarding fish/location relationships from the database.

## Communications Interfaces

CI-1: The app will be able to send an email or otherwise export the generated pdf character sheet.

# Other Nonfunctional Requirements

## Performance Requirements

PE-1: The Catch Report App shall minimalize data transfer over mobile networks.

## Safety Requirements

No safety requirements have been identified.

## Security Requirements

SE-1: Users shall be required to log in to the D&D Character App for all operations.

## Software Quality Attributes

Availability-1: The Catch Report App shall be available for reporting on the internet 99.9% of the time between 5:00am and midnight local time and 95% of the time between midnight and 5:00am local time.

Robustness-1: If the connection between the user and the system is broken prior to an order being either confirmed or canceled, the Catch Report App shall allow a user to complete and submit an unfinished catch report.

Appendix A: Data Dictionary and Data Model

TBA