Software Requirements Specification

for

UPOD - General

**Version 0.4**

**Prepared by Tom West**

**Wilfrid Laurier University, CP317**

**15/06/2016**

**Table of Contents**

[1. Introduction 3](#_Toc452068020)

[1.1 Purpose 3](#_Toc452068021)

[1.2 Product Scope 3](#_Toc452068022)

[2. Overall Description 4](#_Toc452068023)

[2.1 Product Perspective 4](#_Toc452068024)

[2.2 Product Functions 4](#_Toc452068025)

[2.3 User Classes and Characteristics 4](#_Toc452068026)

[2.4 Operating Environment 4](#_Toc452068027)

[2.5 Design and Implementation Constraints 5](#_Toc452068028)

[3. External Interface Requirements 6](#_Toc452068029)

[3.1 User Interfaces 6](#_Toc452068030)

[3.2 Hardware Interfaces 6](#_Toc452068031)

[3.3 Software Interfaces 6](#_Toc452068032)

[3.4 Communications Interfaces 6](#_Toc452068033)

[4. System Features 7](#_Toc452068034)

[4.1 Landing Page 7](#_Toc452068035)

[4.2 Portal Page 8](#_Toc452068036)

[4.3 Single Entry Page (Scalable and Duplicable) 8](#_Toc452068037)

[4.4 About Us Page 9](#_Toc452068038)

[4.5 Admin Login Page 10](#_Toc452068039)

[4.6 Search Results Page 10](#_Toc452068040)

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Reason for Changes** | **Version** |
| Tom West | 15/06/16 | General Info doc draft based on SQA Feedback | v0.1 |

# Introduction

## Intro

## UPOD (Undergraduate Physics Online Database) is a website designed to provide undergraduate students with physics reference information. There are currently very few quality physics reference sites, so UPOD has the opportunity to fill a large gap facing physics students at present.

## Purpose

The purpose of this collection of Requirements documents is to outline both the visual and functional design of the UPOD site. It will explain the functionalities and features provided by the website, as well as describe the types of physics information provided. This Requirements document is intended for **Dr. Ghose, David Brown,** as well as **future users,** such as those in charge of maintaining the site/adding content.