**Software Engineering**

**Software Requirements Specification**

**(SRS) Document**

**Bug Tracker**

**6/1/2020**

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| **Revisions** |

| Version | Primary Author(s) | Description of Version | Date Completed |
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| 1.0 | Joe Krystofik | Initial SRS of project. | 6/1/2020 |

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| **Review & Approval** |

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1. Introduction

* 1. **Purpose:**

Create a bug tracking program for joekrystofik.com and other future portfolio projects. This app will also serve as a portfolio project itself.

* 1. **Intended audience:**

Personal use and any visitors to the web portfolio joekrystofik.com or projects hosted there.

* 1. **Scope:**

Track bugs of personal projects and of programs hosted on joekrystofik.com.

## 2. General Description

**2.1 Product description:**

General use bug tracker for personal tracking of bugs and for visitors of joekrystofik.com or its hosted projects to report bugs.

**2.2 Product features:**

* **Bug Tickets**
  + **Creation**
  + **Deletion**
  + **Modify**
  + **Filtering**
  + **Tracking**
* **Login/Accounts**
  + **Account creation**
  + **Account deletion**
  + **Account modify/profiles**
  + **Forgotten password recovery**
  + **Change password**
* **Email/Notification System**
  1. **User class and characteristics:**
* Admin
  + Has full control over all tickets and accounts.
* Developer
  + Can create tickets and modify/delete tickets that have been assigned to them. Can also re-assign tickets if they are current owner.
  + Only has control over their profile.
* Guest
  + Can only create/view tickets.
  + Has no profile, instead appears as a general “Guest” user.
  1. **Operating environment:**

Web based app running on Django.

## 3. System Requirements

**3.1 Functional requirements:**

* Needs to be user friendly as to not discourage reporting of bugs.
* Ease of use for developers to find and complete tickets assigned to them.
* Email notification system to notify developers when a ticket has been assigned to them.
* Mobile friendly.