**Volunteer Guru**

**Software Requirements Specification**

**Software Engineering Fundamentals, Fall, 2018**

**Modification history:**

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| --- | --- | --- | --- |
| Version | Date | Who | Comment |
| v1.0 | 09/19/2018 | David/Group Meeting | Document Set-up |
| v1.1 | 10/10/2018 | David/Group Meeting | Added 10 more “Shall statements”  Added Use-Case Diagram |

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**Contents of this Document**

[Introduction](#gjdgxs)

* [Software to be Produced](#30j0zll)
* [Definition, Acronyms, and Abbreviations](#1fob9te)

[Product Overview](#3znysh7)

* [Assumptions](#2et92p0)
* [Use Case Diagram](#tyjcwt)
* [Use Case Descriptions](#3dy6vkm)

[Specific Requirements](#1t3h5sf)

**SECTION 1: Introduction**

Software to be Produced:

* The software we will be producing will allow charitable non-profit organizations find volunteers based on the volunteer’s interests and location. This program will also be used for people to search for organizations to volunteer their time. Volunteers and organizations will have their own types of profile in which the two parties could contact each other if a match is found. Organizations can also create events for volunteers to join, and volunteers can follow the profile for charity events in the future.

Definitions, Acronyms, and Abbreviations:

* None

**SECTION 2:** **Product Overview**

Assumptions:

* Windows 7/8/8.1/10
* 2GB ram
* 16MB free disk space
* Java 10
* Pentium 1.8 Ghz processor
* SQL
* Available to the public

Use Case Diagram:



Use Case Descriptions:

Both volunteers and organizations can create/edit a user profile. A volunteer can search for charities and events. Alternatively, organizations can search for volunteers to add or notify about their charity/event. Organizations can also set their events to private in case they want to invite a select group of volunteers.

Organizations can create and manage events. Volunteers can join events. Volunteers can also leave comments on the event page for other volunteers, or the organizer, to see. If a volunteer shows interest to an organization or wants to go to future events, a volunteer can choose to follow an organization’s profile for notifications.

**SECTION 3: Specific Requirements**

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| **No:** 1 |
| **Statement:** The system shall match volunteers to an organization based on the volunteer’s interests. |

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| **No:** 2 |
| **Statement:** The system shall allow user profiles for the volunteers to customize based on their location, interests, and volunteer information. |

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| **No:** 3 |
| **Statement:** The system shall provide a search function for the volunteer to find organizations by name or location. |

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| **No:** 4 |
| **Statement:** The system shall allow non-profit or charity organizations to create events on their profile for volunteers to join. |

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| **No:** 5 |
| **Statement:** The system shall provide an organization the ability to search for volunteers based on their interest or location. |

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| **No:** 6 |
| **Statement:** The system shall allow volunteers to join events created by organizations. |

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| **No:** 7 |
| **Statement:** The system shall provide a ‘follow’ feature on all organization profiles to allow the volunteer access to news and notifications from their matched organization. |

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| **No:** 8 |
| **Statement:** The system shall allow a volunteer or organization to create a personal account. |

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| **No:** 9 |
| **Statement:** The system shall provide the organization with a list of currently enrolled volunteers for their event. |

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| **No:** 10 |
| **Statement:** The system shall keep an archive of all past events held by the organization. |

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| **No:** 11 |
| **Statement:** The system shall allow volunteers to keep track of their joined events on their profile. |

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| **No:** 12 |
| **Statement:** The system shall allow volunteers to post comments on an event. |

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| **No:** 13 |
| **Statement:** The system shall allow organizations to customize their profile. |

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| **No:** 14 |
| **Statement:** The system shall give the organization a list of volunteers who have hit the follow button. |

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| **No:** 15 |
| **Statement:** The system shall have a sorting filter based on interests of volunteers. |

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| **No:** 16 |
| **Statement:** The system shall allow organizations to set a password to their events to make them exclusive to invitations only. |

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| **No:** 17 |
| **Statement:** The system shall have a database to store user information in a safe and secure manner. |

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| **No:** 18 |
| **Statement:** The system shall allow organization to efficiently manage events, or delete them if necessary. |

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| **No:** 19 |
| **Statement:** The system shall not require profile creation to perform a search function. |

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| **No:** 20 |
| **Statement:** The system shall allow an organization or volunteer to choose a privacy setting based on how public they want their profile. |

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