**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 |
| V2.0 | 12/03/2018 | David | Minor edits, specify what needs to be changed for Final Deliverable |

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**SECTION 1: Introduction**

Software to be Produced: \*\*\*\*\*\*\*\*needs touchups\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

* 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:

* Org. refers to Organization
* Vol. refers to Volunteer

**SECTION 2:** **Product Overview \*\*\*\*\*\*\*MAY NEED EDITS\*\*\*\*\*\*\*\*\*\***

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: \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*DEFINITELY NEEDS EDITS\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Create/Edit a profile

Create/Manage an event

Search for charities or events

Join an event

Follow a profile for notifications

Search for event participants

Post comments on events

Volunteers

Organizations

Set profile privacy

Use Case Descriptions: \*\*\*Edited based on teachers comments, still needs updates to match diagram

This system is designed to match Charity Organizations with volunteers that have pre-determined interests and location based on the user profile created.

- Organizations:

Search for volunteers based on their interests and geographical location.

Can create events for their charity.

Invite users to participate in the events.

- Volunteers:

Search to find an organization or event based on their interests or location.

Join events

Follow organizations for notice on future events.

**SECTION 3: Specific Requirements \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*NEED TO CHECK SHALL STATEMENTS**

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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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