Household Inventory Management System

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CST-452 Capstone Project Development Review Report

Grand Canyon University

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**Functional Requirements:**

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| Requirement | Outcome | Justification |
| As a user I want a system where I can track my various items that I have within my household(s). | Met |  |
| As a user I want to be able to register with the application so I can use the application and have a unique account to associate my household entries with. | Met |  |
| As a user I want to be able to log into my account to access my households. | Met |  |
| As a user I want to be able to make different household listings so I can separate items based off different locations | Met |  |
| As a user I want to be able to delete households in case I no longer need the inventory list. | Met |  |
| As a user I want to be able to update my household information in case I made a mistake or details change | Met |  |
| As a user I want to be able to view the households that I am managing. | Met |  |
| As a user I want to be able to view the inventory items that are currently in a select household | Met |  |
| As a user I want to be able to add items to a household listing. | Met |  |
| As a user I want to be able to delete items from a household listing. | Met |  |
| As a user I want to be able to update item information within a household. | Met |  |
| As a user I want to be able to flag items for donation. | Met |  |
| As a user I want to be able to invite other users to also add to my households. | Met |  |

**Non-Functional Requirements:**

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| Requirement | Outcome | Justification |
| As a user I want to be able to run the application on popular web browsers (Chrome, Safari, Firefox) | Met |  |
| As a user I want to the application UI to be responsive to different resolutions (computer, phone). | Met | Bootstrap used. |
| As a user I want the application interface to be simple and to be in English, so it is easy to understand. | Met |  |
| As a user I want the application UI menu bars to be minimal, so I do not feel overwhelmed. | Met |  |
| As a user I want the application UI to be high contrast, so it doesn’t hurt my eyes in extended use. | Uncertain | I do not know if this is met as I do not know how to evaluate this. |
| As a user I do not want to have to pay to utilize this application so I can save my money for the new items to be recorded in the application. | Met |  |
| As a user I want the application page load times to be under 5 seconds so I am not wasting time waiting for items to load. | Uncertain | I do not have access to tools that will evaluate this for me. Nor do I wish to pay for them with Heroku. |
| As a user I want the application to be available at least 90% of the time, if not 99% of the time, so I can add items at any time of day. | Uncertain. | The application is in the cloud but I do not know how to gauge the availability of access. I use a free account so I expect throttling of access. |
| As a user I do not want the application to contain any vulgarities so my children can help with data entry without putting them at risk. | Met/Uncertain | There is currently no vulgarities on the site but no means of preventing vulgarities in the future. |
| As a user I want the application to auto sort my item listings alphabetically to make finding items easier. | Met |  |
| As a user I want the web application to work with screen readers in case I cannot see. | Unmet | Aria-labels have not been used at this time. This will be in a future improvement. |

**Technical Requirements:**

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| Requirement | Outcome | Justification |
| The Application should be deployed online. | Met |  |
| The application should make use of online data persistence | Met |  |
| The application should use an online back-end rest service | Met |  |
| The application should have responsive UI elements | Met |  |
| The application should be available in popular web browsers. | Met |  |

**Planned Improvement**

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| Requirement |
| Add Aria-Labels to UI elements |
| Improve Navigation between pages |
| Add picture support |
| Redo UI elements for better style |
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