**Software Requirements Specification**

**For**

**Movin’ Out**

|  |  |
| --- | --- |
| **Instructor:** | Dr. Pirmann |
| **Team Members:** | Miyo Imai, Harrison Beerley, Andrew Shoffler, Michael Wyda |
| **Cycle:** | 1 |
| **Date Submitted:** | 1/24/19 |

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**Grading Rubric - Requirements Specification**

This rubric outlines the grading criteria for this document. Note that the criteria represent a plan for grading. Change is possible, especially given the dynamic nature of this course. Any change will be applied consistently for the entire class.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Achievement** | **Minimal** | **Exemplary** | **Pts** | **Score** |
| **Content (80)** | Section(s) missing, not useful, inconsistent, or wrong. | Provides all relevant information correctly and with appropriate detail |  |  |
| Introduction  Scope  Definitions |  |  | 10 | 10 |
| User Profile |  |  | 20 | 20 |
| Functional Requirements |  |  | 30 | 30 |
| Performance & Design Requirements |  |  | 10 | 10 |
| Data Requirements |  |  | 10 | 10 |
| **Writing (20)** |  |  |  |  |
| Grammar and Spelling | Many serious mistakes in grammar or spelling | Grammar, punctuation, and spelling all correct | 10 | 10 |
| Expression | Hard to follow or poor word choices | Clear and concise. A pleasure to read | 5 | 5 |
| Tone | Tone not appropriate for technical writing | Tone is consistently professional |  |  |
| Organization | Information difficult to locate | All information is easy to find and important points stand out | 5 | 5 |
| Layout | Layout is inconsistent, visually distracting, or hinders use | Layout is attractive, consistent, and helps guide the reader |  |  |
| **Late Submission** |  |  | -10  -25 |  |
| **Total** |  |  | 100 | **105** |

**1 Introduction**

This section provides an overview of Movin’ Out. Scope provides a short description of the product and how it is useful; Definitions explains terms with which a reader may not be familiar; and User Profile identifies the ways different groups of people would make use of Movin’ Out.

## **1.1 Scope**

Movin’ Out will be an online marketplace for University City students. The premiere feature will be a way to buy, sell, or give away unwanted furniture or other items students do not want to take home to other university students. We will have a method of verifying users are from a university. Other features include a homework Q & A section, and a social aspect with a friends and messaging system.

## **1.2 Definitions, Acronyms, and Abbreviations**

No definitions, acronyms, or abbreviations at this time.

## **1.3 User Profile**

Our target group for this website is going to be solely college aged students, and those currently enrolled at universities. Being that our website is specifically marketed towards college students being able to sell their used items when they move out, graduate, or just have something they want to get rid of.

# **2 External Interfaces**

Main interaction is directly with a website which the application will be based on. Certain APIs may be used for the messaging system and for scaling the website to mobile size. A database will be used to store information from the website.

## **2.1 User Interface**

The user interface will be compartmentalized into the different sections of the website. There will be a home page where each feature is linked. The overall design will be similar to most forums, with more emphasis on clean graphics and design than plain text.

## **2.2 Data Interface**

The only data our system needs besides its own is user data.

# **3 Specific Requirements**

# **3.1 Functional Requirements**

The statements below define the functional requirements for the system.

1. **Selling, Buying, and Giving Away**
   1. Movin’ Out will provide a way for users to list items that they want to sell as well as a way for other users to purchase those items.
2. **University Students Only**
   1. Movin’ Out will only allow students in the University City area to make accounts to ensure the safety of the students and to prevent other individuals from scamming others.
3. **Q&A Forum**
   1. Movin’ Out will feature a platform for students to ask questions to one another, whether it be about homework, events, or housing.
4. **Friend System**
   1. Movin’ Out will provide a way for students to meet other students by pairing people together based on location and interests.
5. **Aesthetics**
   1. Movin’ Out will feature an aesthetically pleasing interface that is user-friendly.

**3.2 Performance Requirements**

1. **Fast Search** 
   * Our website will be able to gather and compile all the results for your search in a timely manner, ensuring you always find the items you are looking for, as effectively as possible
2. **Secure Browsing**
   * While developing our website we will ensure that all information traveling through the website will be encrypted, allowing the user to safely browse at little risk
3. **Relevant ads** 
   * Using Google Adsense we will do our best to provide relevant ads to our users to further enhance their ad experience. Our website will prompt the disabling of ad blockers.

## **3.3 Design Constraints**

### **3.3.1 Constraint:** Website

Reason: Our application will be based on a website, but we anticipate mobile use, so we will need to make a mobile-friendly website.

### **3.3.2 Constraint:** Server use

Reason: Data must be stored and managed efficiently because server and database maintenance cannot exceed the revenue from advertisements.

## **3.4 Data Requirements**

### **User Information**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Size** | **Comment** |
| First name | string |  | User’s first name |
| Last name | string |  | User’s last name |
| location | string |  | User’s location |
| email | string |  | User’s university email address |
| University | string |  | University user currently attends |

### **Post Information**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Size** | **Comment** |
| Post views | Integer  (found through algorithm) |  | Determines which posts are promoted or high quality |
| location | string |  | For users to decide what posts to reply or interact with. Also gets university location |
| Content | string |  | Actual content of posts |
| Images | image |  | Pictures can be added to posts |