Software Requirements Specification

For

DragonFriends

|  |  |
| --- | --- |
| **Instructor:** Andrea Forte |  |
| **Team Members:** | Alia Yeszhanova, Victoria Young, Carter Knight, Tri Le, Sahithi Pisupati |
| **Cycle:** |  |
| **Date Submitted:** | 01/24/2018 |

Document template copyright 2005-2015, CCI Faculty. Version 2.3. Use permitted under Creative Commons license CC-BY-NC-SA. See http://creativecommons.org/licenses/by-nc-sa/3.0/.

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 |  |
| User Profile |  |  | 20 |  |
| Functional Requirements |  |  | 30 |  |
| Performance & Design Requirements |  |  | 10 |  |
| Data Requirements |  |  | 10 |  |
| **Writing (20)** |  |  |  |  |
| Grammar and Spelling | Many serious mistakes in grammar or spelling | Grammar, punctuation, and spelling all correct | 10 |  |
| Expression | Hard to follow or poor word choices | Clear and concise. A pleasure to read | 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 |  |
| Layout | Layout is inconsistent, visually distracting, or hinders use | Layout is attractive, consistent, and helps guide the reader |  |  |
| **Late Submission** |  |  | -10  -25 |  |
| **Total** |  |  | 100 |  |

# Introduction

## Scope

DragonFriends is a mobile application that reinvents how students find and meet peers in their new classes. A client would want to use it because rather than individually texting contacts or posting your schedule via social media, he/she can use our application which simplifies the entire process and helps prepare students for the term ahead.

## Definitions, Acronyms, and Abbreviations

There are no definitions, acronyms, or abbreviations at this time.

## User Profile

The targeted group of DragonFriends is Drexel students, particularly Drexel freshmen. For freshmen, adapting to college life can be difficult, especially when it comes to keeping up with the coursework. This can be alleviated by finding classmates to study/work with. DragonFriends speed up that process by allowing freshmen to compare their schedule and find the same classes that their friends attend. They can also see information of others who are taking the same class, provided that they made that information public.

# External Interfaces

## User Interface

DragonFriends will interact with users via a user interface on Android. There will be sections for searching and adding classes, looking up other classes’ information, and quick viewing of what classes the user have.

## Data Interface

DragonFriends will obtain data of Drexel classes (course name, CRN, time, location, etc.) from the Drexel Term Master Schedule.

# Specific Requirements

## Functional Requirements

The statements below define the functional requirements for the system.

**1- Authentication**

The system will allow Drexel students only to sign up. This can be done by email verification.

**2 – Searching and Adding Classes**

The system will allow Drexel students to add the classes they currently have using a search function from a database of all classes in that quarter.

**3- View Other Students in the Same Class**

The system will also allow those in the same class to see each other, and their contact information if they choose to make it public.

## Performance Requirements

The statements below define the performance requirements for the system.

**1 – Searching for a Class**

Filtering class should not take more than one second, but it will vary depending on whether the data of classes is cached client-side.

## Design Constraints

### Constraint:

Android only - iPhone users cannot use it

## Data Requirements

1. **User information**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Size** | **Comment** |
| User email | String | 254 characters |  |
| Phone number | String | 15 characters |  |
| User’s classes | Array of objects |  | This will be an array of classes, which will be objects that contains properties like class name, CRN, time, location, etc. |