Basement Dwellers

KAPP Application
Supplementary Specifications

Version <1.1>

Revision History

Date	Version	Description	Author
<10/23/2022>	<1.0>	<First Draft>	<Adam, Tanner, Chris, Troy, Thomas>
<10/30/2022	<1.1>	<Updated SS to fit template, fixed many errors and missing components>	<Adam, Tanner>

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Supplementary Specifications

1. Introduction

1.1 Purpose

The purpose of this document is to describe requirements that are not defined in our Use Case models, including usability, reliability, performance, and supportability, among other aspects.

1.2 Scope

The scope of this document includes all supplementary specifications included in the KAPP Application.

1.3 Definitions, Acronyms, and Abbreviations

See Glossary, KAPP-Glossary

1.4 References

Course Website: https://people.eecs.ku.edu/~saiedian/Teaching/448/

1.5 Overview

This document lists and provides a description for all non-functional requirements of the KAPP Application.

2. Assumptions and Dependencies

This document assumes that the reader is familiar with the KAPP Application and KU-related information including degree progress reports, class schedules, and platforms such as Canvas and Blackboard.

3. Usability

3.1 User's Knowledge

Users must be familiar with the KU Single Sign On and must be familiar with using iOS or Android applications. This application will be easy to navigate and will not require more user knowledge.

3.2 Usability Standards

The application should be easy to navigate and should not confuse users with minimal technological experience. This can be achieved by utilizing a single home page where users can access different sections of informations through a navigation tab.

4. Reliability

The system should be available for use 24 hours a day 7 days a week. It should be able to accommodate tens of thousands of users overall and hundreds of users at a time.

5. Performance

The response time for each user action should be less than 2 seconds, and users should not experience issues or bugs from the KAPP end of the system - however, issues with KU's system may be inevitable.

6. Supportability

Naming conventions should be strictly followed to maximize organization. The system's design and infrastructure will allow for maintenance and sustainment throughout the product life cycle.

7. Design Constraints

The application will be built using JavaScript and will utilize the React framework and Node.js engine. Other languages such as SQL will also be utilized for database development.

8. Security

The user will login using the KU Single Sign On, meaning user login information will not be stored on KAPP servers or databases. Users' personal information will be stored on the KAPP database and will need to be protected to ensure our users' privacy is protected.

9. Applicable Standards

KU standards must be upheld within our system as KAPP will be utilizing the KU Single Sign On, meaning student information must be properly stored within our databases. KAPP must also follow iOS and Android guidelines in order to be listed on the App Store or Google Play.