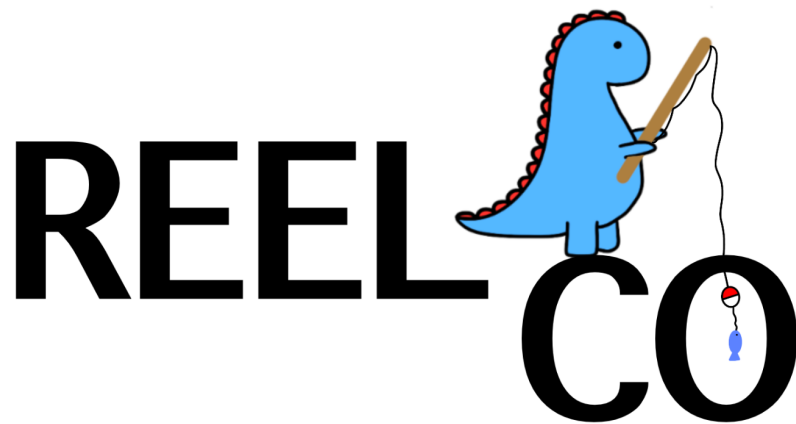

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REEL COLOSET
Supplementary Specifications

Version <1.1>



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| REEL COLOSET | Version: <1.1> |
| Supplementary Specifications | Date: <10/02/2022> |
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Revision History

| Date | Version | Description | Author |
|--------------|---------|-------------------|--|
| <09/30/2022> | <1.0> | First Draft | Claire Thompson, Olivia Romig, Ron Heminway, Libby Miller, Elise Lovell, Emmy Richardson |
| <10/02/2022> | <1.1> | Formatting Tweaks | Libby Miller & Emmy Richardson |
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|------------------------------|--------------------|
| REEL COLOSET | Version: <1.1> |
| Supplementary Specifications | Date: <10/02/2022> |
| upedu ex sspec | |

Table of Contents

| | |
|--|---|
| 1. Introduction | 4 |
| 1.1 Purpose | |
| 1.2 Scope | |
| 1.3 Definitions, Acronyms, and Abbreviations | |
| 1.4 References | |
| 5 | |
| 1.5 Overview | |
| 2. Assumptions and Dependencies | 5 |
| 3. Usability | 5 |
| 3.1 User's Knowledge | |
| 3.2 Graphical Interface | |
| 3.3 Usability Standards | |
| 4. Performance | 5 |
| 5. Supportability | 5 |
| 6. Design Constraints | 6 |
| 7. Security | 6 |
| 8. Interfaces | 6 |

| | |
|------------------------------|--------------------|
| REEL COLOSET | Version: <1.1> |
| Supplementary Specifications | Date: <10/02/2022> |
| upedu ex sspec | |

Supplementary Specifications

1. Introduction

1.1 Purpose

Supplementary specifications are for describing the requirements that we can't define well in our Use Case Models. These could include requirements like: reliability, performance, design constraints, usability, security, and many other things.

1.2 Scope

The scope of the project includes all specifications and systems included in the REEL COLOSET model and its associated requirements.

1.3 Definitions, Acronyms, and Abbreviations

API

Application Programming Interface; a software system that allows two applications to interact with each other.

CSS

Cascading Style Sheets; programming language used to describe how HTML elements should be described.

HTML

HyperText Markup Language; markup language that describes how elements should be displayed on a browser.

HTTP

Hypertext Transfer Protocol; application layer of the internet suite.

JSON

JavaScript Object Notation; a data-interchange format used for representing data based on the syntax of a JavaScript object.

Snake Case

The naming convention where every word starts with a lowercase letter and each word is separated by an underscore, e.g. 'variable_name'. In this convention, each space in English writing is represented as an underscore.

SQL

Structured Query Language; programming language used for managing and organizing databases.

TCP

Transmission Control Protocol; a protocol to the internet suite.

RC

REEL COLOSET

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|------------------------------|--------------------|
| REEL COLOSET | Version: <1.1> |
| Supplementary Specifications | Date: <10/02/2022> |
| upedu ex sspec | |

1.4 References

UPEDU : <http://www.upedu.org/>

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

1.5 Overview

This supplementary specifications document lists and describes all of the non-functional requirements that are required for RC to operate efficiently.

2. Assumptions and Dependencies

This supplementary specifications document assumes that the user is familiar with the use of websites, is using a non-deprecated browser, and the data received from both the weather API and the user is accurate.

3. Usability

3.1 User's Knowledge

Targeted users are familiar and comfortable with using web browsers. The product should be intuitive and user-friendly and should require no training or help to navigate and use the site.

3.2 Graphical Interface

The consumer will only interact with the product through the graphical interface. All system functionalities must be accessible by keyboard and/or mouse. The user must be able to click tabs at the top to access any other portion of the website, e.g. accessing the closet tab from the daily outfit tab, as well as type their account information on the login screen or the profile tab.

3.3 Usability Standards

The interface should be intuitive and easy to learn with buttons, headings, and help/error messages that are simple to understand. The interface should also have a low perceived workload so that it does not look intimidating, demanding or frustrating.

4. Performance

The application shall run on as long as the consumer is able to run a TCP connection to the HTTP. The web application will execute itself on an internet browser and response time for all tasks shall be inferior to 3.0 seconds.

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|------------------------------|--------------------|
| REEL COLOSET | Version: <1.1> |
| Supplementary Specifications | Date: <10/02/2022> |
| upedu ex sspec | |

5. Supportability

The consumer can access the website from any non-deprecated browser. The snake case naming convention shall be utilized when creating all variables and file names in the project.

6. Design Constraints

The programming languages used will include JavaScript, HTML, and CSS for all web content and SQL for all database queries. When generating the daily outfit, the program shall parse a JSON response from the weather API.

7. Security

The user provides a username, password, and city location, and the system has a database which includes all of the items in their closet. All of these will need to be protected - hackers may attempt SQL injection to bypass authentication to obtain sensitive information. This private information can include the person's city or someone's password that the hacker could try to use elsewhere, which is a breach of privacy.

8. Interfaces

The User Interfaces for the RC website includes the graphical user interface, this will be what the consumer interacts with on the website. The Software Interfaces that are used by RC includes the weather API database interface and the Account Information database interface. The Software Interfaces are what the program will interact with to generate the daily outfit recommendations and keep the laundry hamper updated.