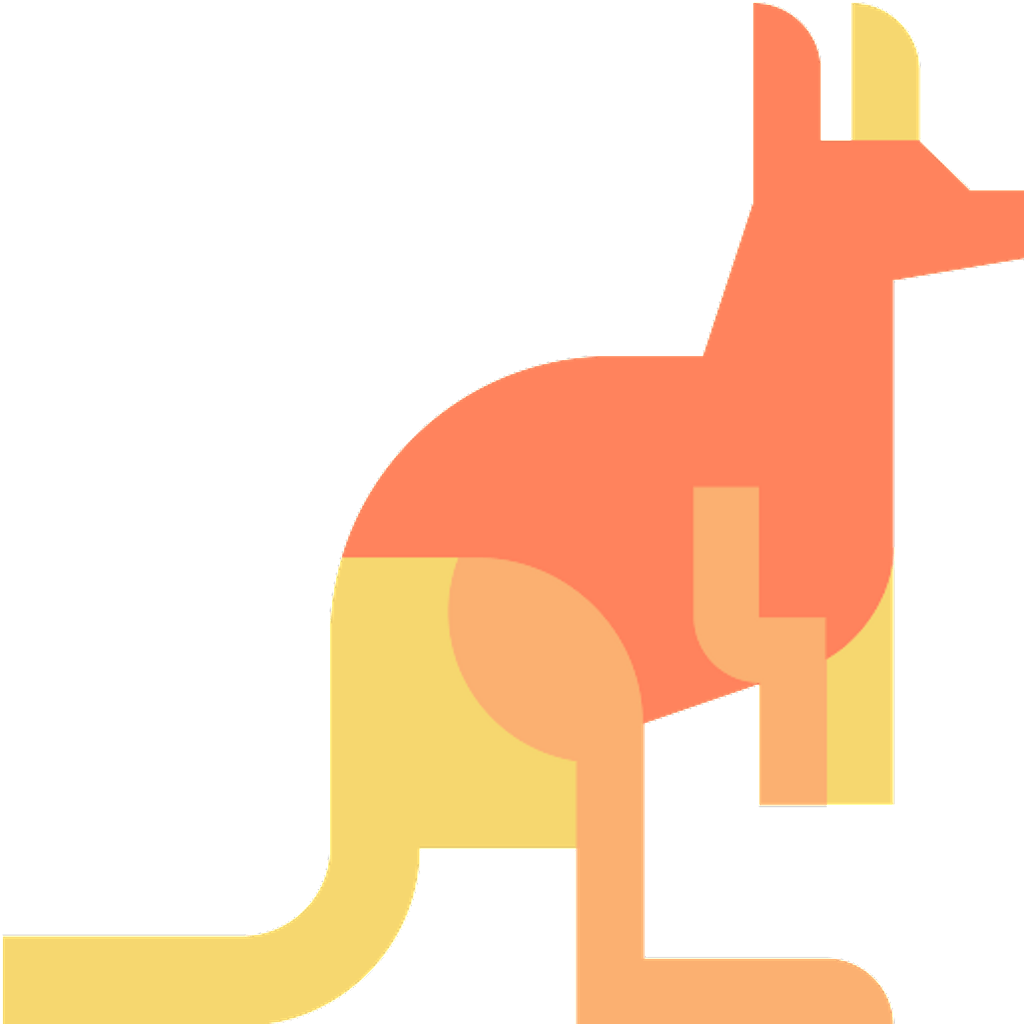
17 Edmund Tan

**Kangaroo Documentations**

****

# **Application Features**

What products are you selling? What do you want your app to do? What features do you want it to have? Tell us about all the things (login with social media and email, take and share photos and videos, make payments, determine location, analytics, scan codes, etc.) it should use? Please list them below

|  |
| --- |
| The products the store will be selling are computer parts, This app will be an e-commerce platform as such it will provide products for users to purchase. The main features of the app will be login, sign up, item search, adding items to cart, making payments, determine location and checking for rainfall. Login, signup and payment will be handled with CoreData, location will be handled with MapKit and Weather will be handled using data from a website API. |

**User Requirements**

These describe the system goals/objectives the users may reach when using the created system (UseCases). Simply put, this is what a user can do: sign up, view certain content, recalculate data using a specific algorithm, and other functions.

|  |
| --- |
| Users can:   * Sign up * Log in * Add products to cart * View cart * Delete Items from cart * Make Purchase * Re-schedule delivery if raining |

**Functional Requirements**

A functional requirement describes **what a software system should d**o, while non-functional requirements place **constraints on how the system** will do so.

An example of a functional requirement would be:

* A system must send an email whenever a certain condition is met (e.g. an order is placed, a customer signs up, etc).

|  |
| --- |
| The system needs to check if new user signing up has conflicting username with an already registered used  The system must update credit balance after purchase and if the cost of the items is over the amount of credits owned it must stop the purchase    The system must check if the receivers address has any incoming rain on that day to suggest a re-schedule for the user |

**Non-Functional Requirements (min 3)**

A related non-functional requirement for the system may be:

* Emails should be sent with a latency of no greater than 12 hours from such an activity.

The functional requirement is describing the behavior of the system as it relates to the system's functionality. The non-functional requirement elaborates a performance characteristic of the system.

Typically non-functional requirements fall into areas such as:

Accessibility, Documentation, Disaster recovery, Efficiency, Maintainability, Privacy, Response time, Security, Supportability, Testability

|  |
| --- |
| The Shop page load time should load with a latency less than 10 seconds  The Search bar should query products in less than 5 seconds  The password field inputs should hide your key inputs |

# **Designs/Wireframes/Mockups**

Insert your mockup/ wireframe here.

Graphical user interface, application

Description automatically generated

# **Admin Details**

CoreData Details

* Entity Name: User

List the attributes here

Admin login / Database name (if any)

|  |
| --- |
| Entity Name: User, Cart, Categories, Products |

# **Test Cases**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Scenario** | **Test Steps** | **Expected Results** | **Actual Results** | **Pass / Fail** |
| TU1 | User signup | Click on sign up button on login page | If user fills in all fields. If the username isn’t taken and the passwords match a new account should be created. |  |  |
| TU2 | User signup with |  |  |  |  |
| TU3 |  |  |  |  |  |
| TU4 |  |  |  |  |  |
| TU5 |  |  |  |  |  |
| TU6 |  |  |  |  |  |
| TU7 |  |  |  |  |  |
| TU8 |  |  |  |  |  |
| TU9 |  |  |  |  |  |
| TU10 |  |  |  |  |  |

# **Screenshot of View Controllers**

# **Graphical user interface, application Description automatically generated**

# **Screenshots of Application**

|  |  |  |
| --- | --- | --- |
|  | Graphical user interface, text, application, email  Description automatically generated | Graphical user interface, text, application, chat or text message  Description automatically generated |
| Launch Page | Sign Up Page | Sign up Page – With all fields blank |
| Graphical user interface, text, application, chat or text message  Description automatically generated | Graphical user interface, text, application, chat or text message  Description automatically generated | Graphical user interface, text, application, chat or text message  Description automatically generated |
| Sign up Page – With passwords not matching | Sign Up Page – Username used | Sign up Page – Successful Sign up with New username and same password |

# **References**

|  |
| --- |
| URL to images, tutorial videos/ codes  People who have helped you |