

CreateTech

User-Manual

CreateIT is a budget friendly recipe app that allows users to find recipes that allow the person to make recipes with ingredients that exist in their cupboards using suggestive matching by matching the ingredients that the user entered.

The CreateIT app allows for the end-user to enter a suggestive recipe to other users to use and lastly the app allows for the user to order ingredients that they may use by allowing to search for the contents and the app redirects them to the online grocery store and suggesting the most affordable item.

Step-by-step guide to navigate the app.

Step 1: Creating an Account

The first step the user has to do is to create a new account by pressing the **Create a new account** button this will send you over to the next page.

The following information will be required of you:

1. Name
2. Surname
3. Email address
4. Date of birth
5. *Creation of new password¹*

¹ the password consists of 8 characters (uppercase letter, lowercase letter, number and one special character)

Choose an avatar for your account, from the six pre-chosen choices. Once all of this is done, press **complete**.

Step 2: Signing-in

After creating the account and pressing complete the app will redirect to the sign-in page where you will be required to sign-in to the app using your email and newly created password to enter the app.

The user can access the password through the eye-icon that resides beside the enter password textbox.

After entering the correct proceed by pressing the sign-in button.

Step3: Choosing Items to order.

After signing-in you will be therefore directed to the first page which includes choosing your ingredients based on the food groups they have categorized into.

- 1.Carbohydrates
2. Dairy products
- 3.Fruits
- 4.Fats and Oils
- 5.Protein
- 6.Vegetables.

After choosing your ingredient the app will ask you whether you wish to purchase the item after which the user will select yes. The app will prompt the user for the quantity of that item that they have selected.

Step 4: Accessing the shopping list.

You have now completed your order list and wish to access the cart you have created, to gain access you will have to click on the avatar on the top right-hand corner. it will direct you to the dashboard of the app where you find all different features from finding recipes to your shopping cart.

Once at the dashboard you will then press the shopping cart button on the dashboard to access your shopping list. Once at your cart you will be able to check put those items selected and allow the app to generate a recipe for you by pressing the suggested recipe tab.

Step 5: Searching for an item.

Once you are done accessing the dashboard you may press the back button that is situated in the left-hand corner.

Once this action has been completed you will be on the first page of the app and from this point you will utilize the search bar on top of the app to search for the ingredient that you want this will take directly over to the shopping website of your choosing.

Technical Manual

Please note this is a Technical Manual for qualified system admins as well as any other IT professional who has been granted permission to change the configuration of CreateIT system. This manual was constructed on 03rd November 2023 for CreateIT v0.1 public release.

Firstly, CreateIT has been constructed in Visual Studio, C# .NET Framework 4.7.3 therefore to alter the system architecture, the IT professional requires the programming language C# but can use any framework as long as it correlates with the .NET concepts.

User Authentication

The Login screen is the first form of user verification. An email registered under a CreateIT account is required as well as the valid password to that respective account to grant a user access to the CreateIT system. This is achieved through a single-factor system verification currently, but visions are vivid to enable two-factor verification upon first time login on a new device.

If the user selects "Create a new account", the application will bring them to the new account form. Here, a new account can be registered into CreateIT's database but only after a valid set of details is provided. Components such as the date picker and text-only field prevent unintentional or intentional human error from occurring. Other preventative measures include unique account naming, registered account checking: When an account is already registered under the provided email, the user is notified of this and cannot proceed further on, password validation: a password must meet the standard security policies of being 8 characters in length, include letters, numbers and special characters, as well as the required user account profile picture. Once everything is complete then the person of interest can proceed back to the login screen where they are prompted to login with the details of the account they just created.

Clicking the "Forgot Password" option generates a unique one-time pin of which is emailed to the email provided by the user if and only if this email has a registered account linked to it. The password of this account is changed to this one-time pin and a user can access their account using this pin for a duration of 3 hours after the pin has been sent, this is a measure put in place so that the system forces users to change their passwords immediately. The email that is sent to the CreateIT user contains information of when the request was sent to ensure that users have optimal security over their accounts. A future functionality to be implemented is that included in the email is a reset link so that if the Authentic user did not request a password reset, they can revert the one-time pin to their own password of previous nature.

Food Categories

Each food category is divided into its different food items. Items can be interreacted with by pressing within the box of the item [NOT THE TEXT]. If this is a food category, this will transport the user to that food form, else if this is a food item, users can specify an amount they would like to add to their shopping cart, of which is a pending purchase and can be altered anytime, even after a restart of the application.

Shopping Cart

All the user's pending purchase items are found here, along with a final amount calculation in Rands based on the items within the shopping cart. If satisfied, customers can choose to checkout, an action which generates a

recipient in Microsoft word with the details displayed in the Shopping Cart, name recipient [unique recipient number]. Please note that since this is the current approach, a user can accidentally purchase the same order multiple times, under multiple recipients therefore this needs to be refined soon as of 03 November 2023, CreateIT v0.1.

Recipes

Recipes as of v0.1 are currently static, having already configured suggestions and a search functionality based on the user's ingredients at hand and along with other key terms such as the cuisine type, the user can locate their taste bud buddy 😊. The recipe locator as of v0.1 is limited to the food retail store, Food Lover's Market but later updates will ensure that more stores will be integrated along with a dynamic recipe system that will analyse what ingredients the user interacts with then generate a recommendation based of this instead.

Miscellaneous

As mentioned in the terms of conduct when users create a new CreateIT account, CreateTech Incorporated does not own any Digital artwork, website, recipe, music or store integrated into the system. We give full credit to the respective third parties and the work they have completed for our application to present its core functionalities. Other services not listed here will be later implemented in updates and the technical manuals of those, there forth.