

This document is created by Nadav Avnon as a Specification document for FinanceTracker,  
An application built in swift using XCode for HackerU IOS module ending project.

## FinanceTracker

### Section 1 - Business Information

- **Brief Introduction of the Project, Goal of the app and target user group.**

*I have been working on FinanceTracker to offer a comfortable solution for tracking your own incomes and expenses, the application is also ment to show a varierty of articles about finance worldwide and also offers a realtime currency rate conversion for all currencies.*

*My goal is to keep updating FinanceTracker, fixing bugs and apply new features, while maintaining the simple and easy to understand format of invoice adding.*

- **Brief Introduction of yourself (individual/ startup details), location.**

*I am a 22 year old soon to become Software engineer student in October 2021, I joined HackerU around early 2020's and learned how to code using SWIFT, since then i've been working on alot of projects and one of them is FinanceTracker that is written in swift*

- **Decision maker (s) contact details:- Name, Email, Phone, Skype.**

*Nadav Avnon*

*FinanceTracker*

*Phone: +972 502901992*

### Section 2 - Technical and Functional Requirements

- **Target OS Platforms.**

iOS

- **Technology Preference (Optional).**
  - I've a choice (describe technology flavor you want to use).
  - I leave it on developer to decide.
- **Native app development or Cross platform development.**

I've been using Xcode to write FinanceTracker, with some objective C

- **MOST IMPORTANT - Features description (how the app behaves for the user).**

*Describe the app as it flows for the user type 1, user type 2, admin etc:-*

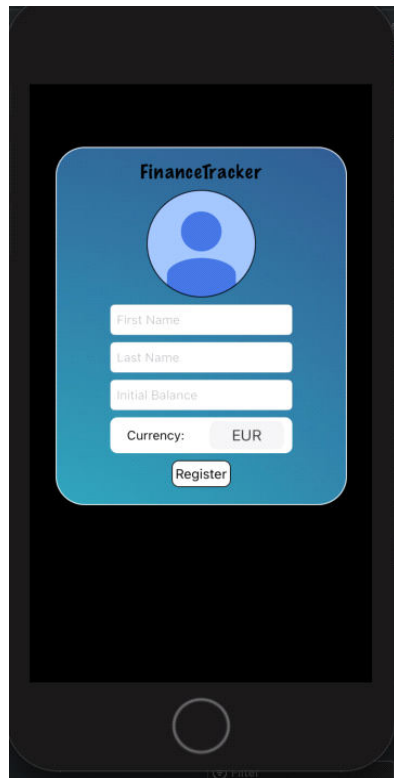
#### **FinanceTracker feature description :**

- *Sign up/ registration, -> register your initial name,firstname and initial balance.*
- *App would capture user's preferred currency to work as base currency for the entire app, it will also capture an image if provided from your photo library, First name and Last name*
- *Once the user finishes the registration, he is right away directed to FinanceTracker's home tab where he is shown the current date, an icon of his image/default profile image, his current balance, incomes and expenses and a table view with all his invoices (initially empty) .*
- *The user can then add new invoices by going to the invoice Catalog on the + button in the tab bar and picking an invoice type, immediately a popup that requests the invoice amount will show up, defaulting to a "Expense" or "Income" type depends on selected invoice type from the catalog, after that another pop up that requests a invoice title and invoice description will show up with the invoice type's icon on the right side of the top corner of the pop up. when clicking the "add" button the new invoice will then be added to the home page table view and the user will be directed to there with an alert that the invoice was added, the user's Income,Expense and Balance will be updated accordingly.*
- *FinanceTracker offers a "Articles" tab with the latest articles from the US about finance, showing an image, author,title and description of the latest news in the United States.*
- *FinanceTracker also offers a "Realtime" tab with the option to show all the currency rates worldwide against any selected currency from the list.*
- *The last tab is the profile tab that shows the date of the latest added invoice, and has the option to update the user's name , last name and profile picture.*

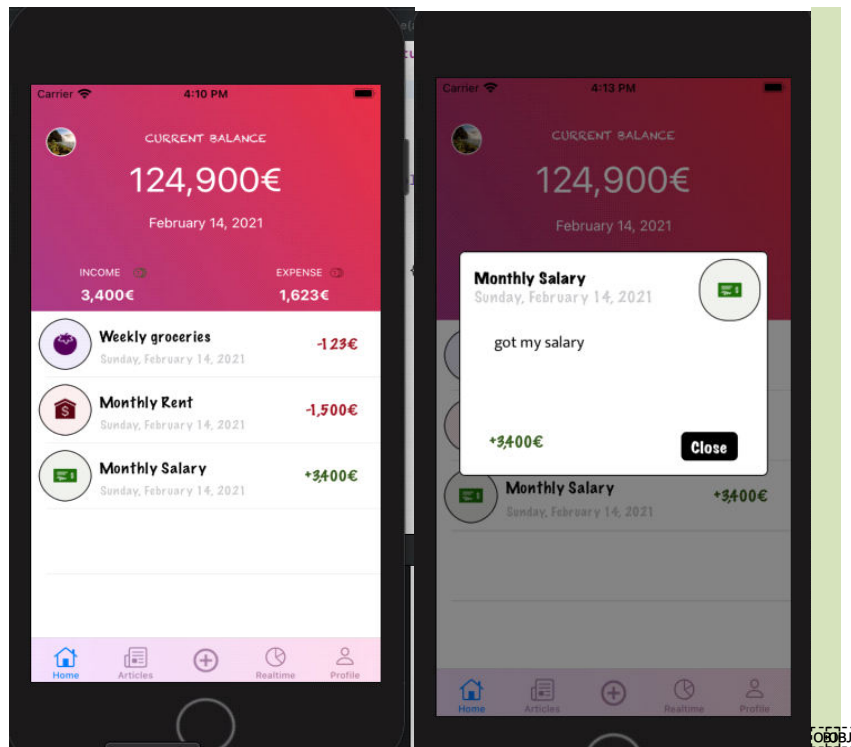
- **Mockups or drawings to depict Apps flow:-**

*Registration page, provide name,last name,*

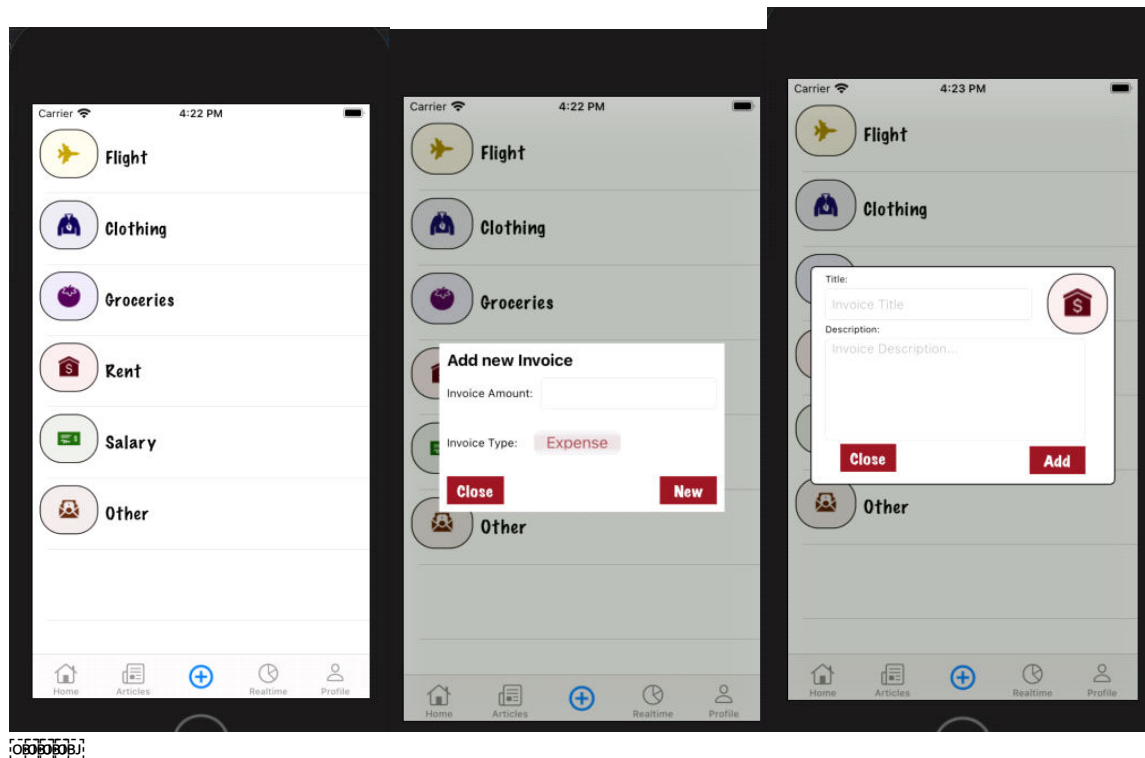
*initial balance and base currency.*



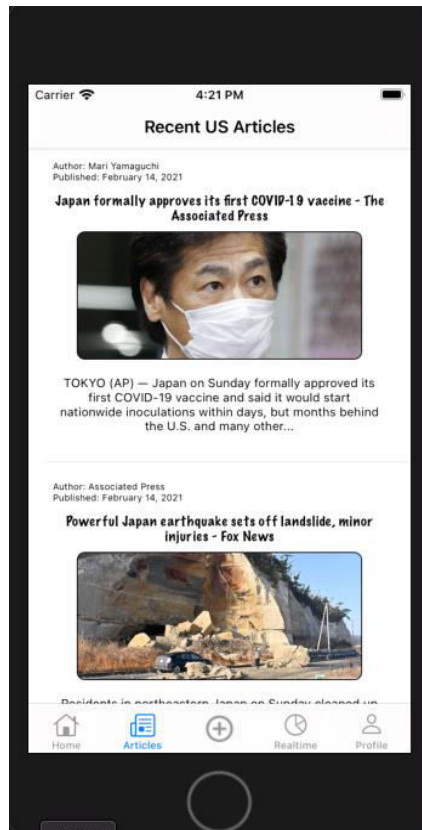
*Home page, user balance,  
income and expenses alongside  
with all invoices.*



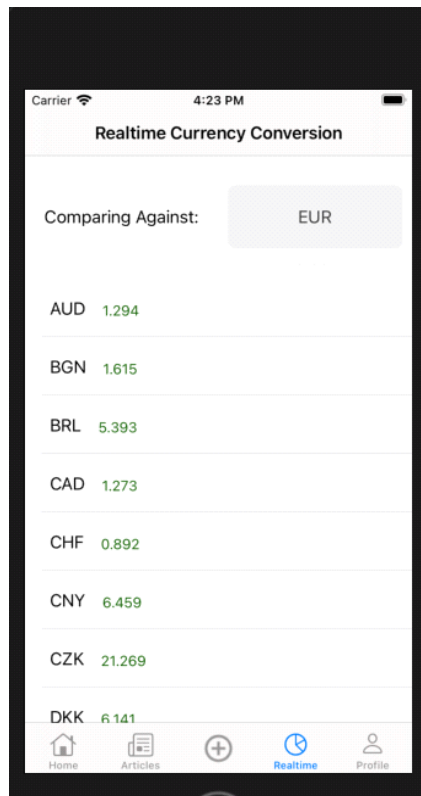
*Invoice Catalog, users select a type,  
and can add new invoices.*



*Articles section, updates daily,  
with the most recent US articles*



*Realtime section,  
allows users to view all the currency rates  
against desired currency*



*Profile page, shows recent activity,  
and allows to update profile.*

