

# Test project

2024 Invitational Online Friendly Challenge  
**Mobile Applications Development**

Team Colombia

## Introduction

The successful used trading application "Used ZIP" in Korea wants to expand its services worldwide. In order to serve the world, we commissioned you to develop a prototype prior to the development of the application features.

## Description of project and tasks






### Module 5 C3:

- The competitor must create a complete mobile application and an installable APK (Android) or app(iOS) file depending on the operating system chosen.
- Emulator: Android - Pixel7 API 30, iOS - iPhone 8 Plus -.
- Create an app taking as reference the provided prototype.
- Must use the application icon according to the prototype (logo, symbol) and the Launcher Icon in the installed app.
- Must consume a free API

## Module time

2.5 hours

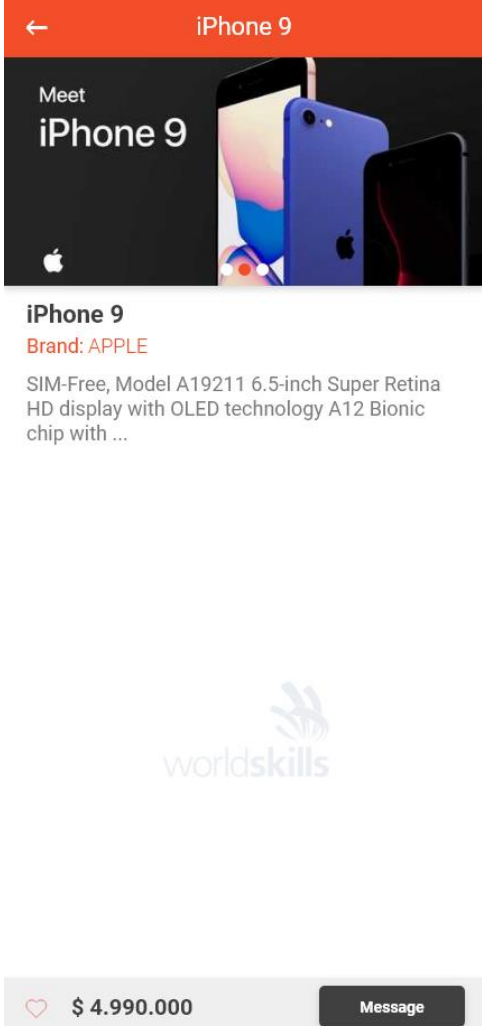
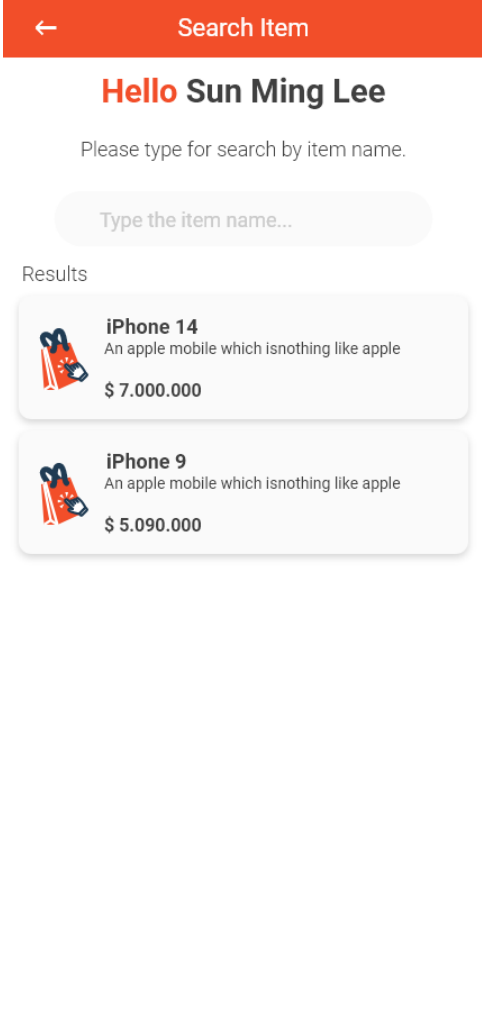
## 1. Splash and Login Screen

 <p>Welcome to <b>USED ZIP</b></p> <p>Best used trading anywhere in the world.</p> 	  <p>Let's Sign in</p> <p>Email</p> <p>Password</p> <p>Sign in</p> <p>OR</p> <p>Sign Up Password Reset</p> 
<p>Splash Screen</p>	<p>Login Screen</p>
<ul style="list-style-type: none"> <li>• Create a Splash Screen and Login Screen.</li> <li>• Create a Splash that lasts 3 seconds and then go with an animation to the Login screen.</li> <li>• When opening the app, the Splash Screen must be shown for 2 seconds and then go to the Welcome Screen.</li> <li>• When trying to go back to after the Splash should not be displayed again, you must exit the app.</li> <li>• When trying to log in it should consume the API and display in text the token</li> </ul>	

## 2. Home and User data Screen

	
<p>Home Screen</p>	
<ul style="list-style-type: none"> <li>• The main screen should list the last 2 products in the list in a section called Latest Items and the others in another section called Your publications (the last 2 products should not appear in the first list).</li> <li>• The main screen must have a button that must be assigned the user icon and not the one of more and that redirects to the screen to see the data of the logged in user with his photo.</li> <li>• You must create the design of the logged user data screen, showing: username, email, firstName, lastName, gender and image.</li> <li>• From the User Data screen you can return to the Home screen by clicking on the button</li> </ul>	

## 4. Product details

 <p>The product details screen for the iPhone 9. It features a red header with a back arrow and the text 'iPhone 9'. Below the header is a promotional image with the text 'Meet iPhone 9' and the Apple logo. The product name 'iPhone 9' is displayed in bold, followed by the brand 'Brand: APPLE' in red. A description follows: 'SIM-Free, Model A19211 6.5-inch Super Retina HD display with OLED technology A12 Bionic chip with ...'. At the bottom, there is a heart icon, the price '\$ 4.990.000', and a 'Message' button.</p>	 <p>The search screen has a red header with a back arrow and the text 'Search Item'. It greets the user with 'Hello Sun Ming Lee' and asks them to 'Please type for search by item name.' Below this is a search input field with the placeholder text 'Type the item name...'. Under the heading 'Results', there are two items listed: 'iPhone 14' with a price of '\$ 7.000.000' and 'iPhone 9' with a price of '\$ 5.090.000'. Each item has a small shopping bag icon and a description: 'An apple mobile which is nothing like apple'.</p>
Product details Screen	Search Screen
<ul style="list-style-type: none"> <li>• When Debe ex a product from the home screen the product detail must be shown in the product detail screen, if the product is not found the user must be notified(Show all product data, there may be more than what is shown in the prototype.).</li> <li>• The product details screen must have a button to return to the home page.</li> <li>• From the home screen on the top left hand side you should have an icon that allows you to go to the product search screen.</li> <li>• The product search screen should greet the logged in user and allow you to search for a product (add a search button where you consider to perform the search).</li> <li>• The result must be according to the text entered in the field</li> <li>• From the Search screen on the top left hand side you should have an icon that allows you to go to the product search screen.</li> </ul>	

## 5. Product bt category

?	?
Home Product by Category	Logout Screen
<ul style="list-style-type: none"> <li>• Create a screen where products can be listed by category using a drop-down list.</li> <li>• When changing the item you must list the products in this category</li> <li>• Create a nicely designed screen where the user can logout</li> <li>• After logging out, when you open the app again, it should show the session home screen.</li> </ul>	

## 6. Fonts and Endpoits

<ul style="list-style-type: none"> <li>• Font sizes and colors match, agree, similar or equal to the prototypes and video support.</li> </ul>
<ul style="list-style-type: none"> <li>• Login user and get token: <a href="https://dummyjson.com/auth/login">https://dummyjson.com/auth/login</a> POST  <a href="https://dummyjson.com/users">https://dummyjson.com/users</a> GET</li> </ul> <p><b>Login user and get token</b></p> <p>💡 You can use any user's credentials from <a href="https://dummyjson.com/users">dummyjson.com/users</a></p> <pre> fetch('https://dummyjson.com/auth/login', {   method: 'POST',   headers: { 'Content-Type': 'application/json' },   body: JSON.stringify({     username: 'kminchelle',     password: '0le1plR',     // expiresInMins: 60, // optional   }) }) </pre>

<ul style="list-style-type: none"> <li>Get current auth user: <a href="https://dummyjson.com/auth/me">https://dummyjson.com/auth/me</a> GET</li> </ul> <p><b>Get current auth user</b></p> <pre> /* providing token in bearer */ fetch('https://dummyjson.com/auth/me', {   method: 'GET',   headers: {     'Authorization': 'Bearer /* YOUR_TOKEN_HERE */',   }, }) </pre> <pre> {   "id": 15,   "username": "kminchelle",   "email": "kminchelle@qq.com",   "firstName": "Jeanne",   "lastName": "Halvorson",   "gender": "female",   "image": "https://robohash.org/Jeann",   "token": "eyJhbGciOiJIUzI1NiIsInR5cC" } </pre>
<ul style="list-style-type: none"> <li>Get all products: <a href="https://dummyjson.com/products">https://dummyjson.com/products</a> GET</li> </ul>
<ul style="list-style-type: none"> <li>Get a single product: <a href="https://dummyjson.com/products/{id}">https://dummyjson.com/products/{id}</a> GET</li> </ul>
<ul style="list-style-type: none"> <li>Search products: <a href="https://dummyjson.com/products/search?q={text}">https://dummyjson.com/products/search?q={text}</a> GET</li> </ul>
<ul style="list-style-type: none"> <li>Get all products categories: <a href="https://dummyjson.com/products/categories">https://dummyjson.com/products/categories</a> GET</li> </ul>
<ul style="list-style-type: none"> <li>Get products of a category: <a href="https://dummyjson.com/products/category/{smartphones}">https://dummyjson.com/products/category/{smartphones}</a> GET</li> </ul>

## Competitor Instructions

1. The generated APK is evaluated.
2. API Documentation: <https://dummyjson.com/docs/products>

Create by: South Korea 2022

Modified: Colombia 2024