Aim of the project

The aim of this project is to create the best possible Android restaurant management application in 2 weeks time. We utilize the user management system to control access to restaurants as well as inside restaurant management based on user access level. Inside of the restaurant allows authorized users to control storages, other employees and products inside of those storages. This allows easy access, control and overview of each restaurant storage and their products.

Team of developers

* Kristiāns Mūrmanis – Scrum master, Senior Android developer;
* Alina Verkholomova – Android developer.

Development Environment:

The system is developed using Android Studio. For data storage we use Firebase. VCS is Git and it will be stored on GitHub: <https://github.com/iEat-Inc/iEat>

Motivation

The key to any successful business of these modern times is – effectiveness and optimization. This can be achieved by asking potential business owners this fundamental question - how do we accomplish more by using fewer resources? Nowadays the question is no longer so hard to answer – entrust simple tasks to machines, namely computers, thereby sparing yourself the number of human resources needed to run your business.

For this project we have decided to focus our idea on the food industry, specifically restaurants, since we believe this to be a rapidly developing industry. Since the pandemic the number of people choosing to order food from restaurants by delivery has skyrocketed. Now more than ever restaurants that provide such services need workload optimization.

First-time user experience

Once you have installed the application, after the start screen you are redirected to the login page. Here you have the ability to log in to an existing account, but since this is a first-time user experience we will create an account first. There is a specific “Create an account” button, which will redirect you to another page where you can create an account with manager access level. Filling all the information and creating account will let you in to the app.

People who have made an account previously and logged in to a google account on the device, can use the “Login with google” button.

In case you have forgotten your password there are 2 ways to recover your account.

First is phone authentication method which will send you an SMS message with a limited time code that allows you to change the password to the account which the phone number is linked to. Second way is to use email authentication, which will send an email with a password reset link.

Manager user experience

Inside of the app you have the option to add a restaurant. Once you open the restaurant you can add new storages as well as employees to that specific restaurant. This is the only way to create users with the employee level access. Clicking on each employee opens a new window where you can remove them from this restaurant. Clicking on an existing storage shows you all the shelves that are contained within the storage unit as well as add some new ones. Clicking on a shelf allows you to create product templates and from those templates add/remove products on the shelf.

Employee user experience

In the restaurant selection app employees can select from restaurants that they are a part of. Inside of a restaurant the layout is the same as for the manager, but clicking on employees does nothing. Inside of shelves employees can add/remove products but not create templates. Employees are not allowed to create new storages and shelves.