

Cover page

Project title: Academic Year:

.....2022/2023 Group Members: 1) Mohammad Zetawi Department

Name: Computer Engineering



2) Tasneem Abu Rajab

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Project Type **Software** or **Hardware**

(Choose one) Supervisor Name: Dr.

Emad Natsheh

Format:

- Single space, Times New Roman.
- 12 pt,
- Maximum 1 page.

Abstract Body:

Items must be provided in the Abstract:

- Why do you think this project is important? Please explain the significance of this Project in brief.
 - In your point of view what are the important aspects that should be covered in the project?
 - Objective(s): In your view, please explain the main objectives of the project.
 - Methodology: Give a brief outline of the application development process.
 - Had this project been done before? Are there any similar applications available today?
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- **Note:** Please deliver this abstract early to ensure that your Project has been approved by the department's projects committee. **Registration will not be done without this approval.**

Project's Abstract:

In today's fast-paced digital age, where everything is happening at lightning speed through the internet, individuals often face challenges when it comes to finding suitable places to buy or rent. Recognizing this need, we are in

the process of developing a comprehensive real estate rental application. Our platform aims to simplify the property search process, making it convenient and efficient for users to find their ideal homes.

We will be utilizing Flutter for the frontend and Node.js for the backend, we will leverage the Dart programming language for Flutter development, which offers a robust framework for building cross-platform mobile applications. For the backend, Node.js will enable us to create scalable and efficient server-side applications using JavaScript

Features:

(The User Roles in Our Project are: Admin, Seller, Buyer)

- The project will provide for Buyer different categories of what they might be looking for, and each of these categories will have the suitable information of that category (for example for an apartment you would like to know the number of rooms, but for a land-for-sale the number of rooms is not suitable).
- The buyer can choose the location based on the city that he chooses to see properties on, so that any properties that match the description will be filtered from the rest.
- The Seller can list detailed and sufficient information of their property (size, photos, location, ...etc).
- The Seller can provide high-quality images, so that it will be displayed in a custom gallery for properties, so that buyers can have a good look on the property.
- The Seller can make an offer on their property, the offer feature is built-in, so he doesn't have to manually change the price
- The buyer can have the option for favorites, to easily access these properties of their interest back in future.
- The Seller can Manage his profile's properties, and can request an ad, so that his ad will be displayed on home page for buyers.

- The Buyer can choose his preferences, to appear on the home page for the things that he chooses to be his preference.
- The Buyer can activate notifications, so that any new property that match his preference is added it will notify the Buyer, any new offers, any updates on his favorite list.
- Languages, provide in the application for users the ability to choose different language.