



Cover page

Project title: BuildNex

Academic Year: 2023 / 2024

Group Members: Khalid Ahmad Jabr

Department Name: Computer Engineering

Tala Hamad

Project Type Software

Supervisor Name: Eng. Haya Samaneh

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:

The house-building industry faces significant challenges, primarily due to poor communication between property owners and construction workers and a lack of accessible information on workers' skills and reliability. Addressing these issues, "BuildNex" emerges as a cutting-edge web and mobile platform, utilizing technologies like Flutter, Node.js, and MySQL to revolutionize construction management. It enhances communication and transparency, making it easier to find and hire skilled workers.

BuildNex provides a comprehensive pipeline of services tailored to meet the specific needs of homeowners, whether starting new projects or completing existing structures, providing flexibility and efficiency at different stages of construction. The platform facilitates easy connections between homeowners and service providers, allowing homeowners to choose providers based on location, service cost, and ratings. It also benefits service providers by offering job opportunities, thereby creating a dynamic marketplace.

The platform is designed to cater to a diverse audience, offering interfaces in both Arabic and English, thereby making it accessible and user-friendly for people from various backgrounds. Given the current needs of the country, there is a clear and pressing demand for more projects of this nature, which contribute to national development and technological progress.

In summary, BuildNex stands as an innovative solution in the construction industry, improving efficiency, transparency, and accessibility, and significantly impacting how construction projects are managed and executed.