



جامعة النجاح الوطنية

An-Najah National University

كلية الهندسة | Faculty of Engineering

وحدة الجودة والاعتماد - مركز ABET

Quality and Accreditation Unit - ABET Center



Cover page

Project Title: EVENTRY

Academic Year: 2025-2026

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Department Name: Computer Engineering.

Supervisor Name: Emg. Khaled Daud

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?
- **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.**



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Project Abstract's:

EVENTRY is a comprehensive mobile and web platform designed to connect customers planning events with trusted, verified service providers through a single unified interface. The platform addresses the common challenges of fragmented services, scattered information, and limited time that individuals face when organizing any type of event, whether a wedding, birthday, corporate gathering, or other occasion.

The system operates through two dedicated portals: a Customer Portal that enables users to browse services across multiple categories, filter by budget and location, chat directly with providers, and complete secure bookings; and a Provider Portal that allows service providers to manage their profiles, services, bookings, packages, offers, and customer communications in an organized and efficient manner. An Admin Portal provides full platform oversight, including provider verification, financial analytics, user management, and review moderation.

Service categories span a wide range including venues, photographers, catering, cake, flower shops, decor and lighting, music, event planners, card printing, jewelry and accessories, car rental, and more. Providers can list services under four flexible booking types, hourly, full-day, capacity-based, and product showcase, each with its own pricing and availability rules.

Key features include provider verification using document scanning and OCR, an AI-powered assistant that generates personalized service recommendations or complete event packages based on the user's budget, location, guest count, and event type, as well as bundled packages with discounted pricing, a secure online payment system with cart and checkout flow, real-time chat between customers and providers, invitation template generation, and a finance overview dashboard for providers.

The platform was built using Flutter for the mobile application, NestJS for the backend, MongoDB as the database, Python for AI services, and Firebase for real-time features. Future work includes integrating government verification APIs for more robust provider identity validation, adopting advanced OCR technologies such as Google Vision API, and further enhancing the AI assistant with personalized recommendations based on user behavior and booking history.

EVENTRY distinguishes itself by offering an intelligent, localized, all-in-one event planning ecosystem that eliminates the need to coordinate across multiple disconnected platforms, saving users time, effort, and cost while ensuring service quality and transparency.