



Cover page

Project title: Food Trucks

Academic Year: 2024-2025

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Project Type Software

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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.**



Project's Abstract:

The Food Trucks platform seamlessly connects food truck owners, customers, and event organizers, providing a streamlined way to discover, order, and book food trucks in real time. With the growing demand for mobile food services, this platform offers a user-friendly solution that enhances both customer convenience and business efficiency. By integrating features such as real-time tracking, online ordering, event reservations, and automated notifications, it improves the overall experience for users while optimizing operations for food truck owners.

The Food Trucks platform should focus on key aspects to ensure efficiency and user satisfaction. User roles & authentication will provide secure access for customers, food truck owners, and admins. Food truck discovery using Google Maps API will help users locate trucks easily. A seamless online ordering system with secure Stripe payments will simplify transactions. The event truck reservation system should allow users to book trucks for private events with approval and deposit options. Notifications & alerts will enhance engagement, while a review & rating system ensures transparency. Lastly, an admin dashboard with analytics will help manage operations and track performance effectively.

Also the platform aims to simplify food truck discovery, ordering, and reservations. It connects customers with food trucks, offering easy online ordering and secure payments via Stripe. The platform also enables event truck reservations, helping users book trucks for private events. To enhance engagement, notifications and alerts keep users informed about updates and promotions. A review and rating system ensures transparency, while an admin dashboard helps food truck owners manage sales and reservations efficiently. Ultimately, the project aims to streamline operations, improve accessibility, and support food truck business growth.

Our platform will be developed using Node.js for the backend, Flutter for the frontend, and MySQL & MongoDB for database management. The process begins with requirement analysis to define features. The backend will handle authentication, orders, and reservations through RESTful APIs, while the frontend ensures a seamless user experience. MySQL will store structured data, and MongoDB will manage flexible data. The system will integrate Google Maps and Stripe, followed by continuous maintenance to ensure efficiency and scalability.

Globally, platforms like StreetFoodFinder, and Truckster offer similar services, but in Palestine, this concept is entirely new. There is currently no dedicated platform for discovering, ordering, and reserving food trucks in the region.