

JamesThewDOTcom eProject

Supervisor: *LÊ THANH NHÂN*

Semester: *III*

Batch No: *T1.2208.M2*

Group No: *3*

Order:	Full name	Roll No.
1.	Bui Tran Anh Tri	Student1414230
2.	Pham Tien Duc	Student1414248
3.	Hoang Ngoc Phu	Student1396925
4.	Nguyen Hoang Trung	Student1414357

December 2023

This is to certify that

Mr. Bui Tran Anh Tri

Mr. Pham Tien Duc

Mr. Hoang Ngoc Phu

Mr. Nguyen Hoang Trung

Have successfully Designed & Developed

JamesThewDOTcom eProject

Submitted by:

Mr. Bui Tran Anh Tri

Date Of Issue:

12/12/2023

Authorized Signature:

Design Plan:	Document Name: Problem Definition	SWD/Form No.01/PD/Ver1.0
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REVIEW 1

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I. Acknowledgement

As the team leader, Bui Tran Anh Tri, I would like to extend my heartfelt gratitude to everyone who contributed to the development of our eProject. This endeavor has been a journey of learning, innovation, and collaborative effort. Our sincere thanks go to the mentors and educators at Aptech for their unwavering support and guidance. Their expertise and dedication have been pivotal in shaping this project and our understanding.

We are also immensely grateful to our team members, Mr Duc, Mr Trung, Mr Phu, whose commitment, creativity, and hard work have turned our ideas into a tangible reality. Their willingness to embrace new challenges and adapt to rapid changes in technology has been inspiring.

A special mention to Mr Sinh, Mr Nhan, those who participated in the brainstorming sessions, provided critical feedback, and assisted in refining our concepts. Your contributions have been invaluable in enhancing the quality and scope of our project.

Lastly, our appreciation extends to our peers and the IT community for their encouragement and insights. This project not only represents our technical skills but also our collective effort to keep pace with the evolving world of IT education.

Thank you all for being a part of this rewarding journey. Together, we have created something truly remarkable.

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II. Synopsis

Our project is designed to bridge the gap between theoretical learning and practical application. We focus on providing a real-life scenario for students to develop basic applications using the tools and knowledge they have acquired. This hands-on approach, conducted in lab sessions with faculty assistance, is aimed at enhancing understanding and skill in application development. The project is not about teaching software, but about applying concepts to build robust applications in real-world settings. Students are encouraged to clarify doubts with the eProjects Team to deepen their understanding and successfully achieve the project objectives.

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III. Problem Definition

In the bustling world of culinary arts, James Thew stands out not only as a renowned chef but also as a pioneer of culinary innovation and community engagement. While his professional life thrives in a five-star hotel environment and his passion extends to teaching and sharing recipes, James envisages a new venture: organizing online cooking competitions. These competitions are designed to stir up the culinary community, inviting enthusiasts and aspiring chefs to showcase their skills and creativity.

The challenge is to create a digital platform that caters to the unique dynamics of these culinary contests:

For Participants (Users/Members): A user-friendly interface for participants to register, submit their unique recipes, and track their submissions. The platform should allow users to upload their recipe details, preparation methods, and images or videos of their dishes. It will enable a vibrant exchange of culinary ideas and foster a sense of community among participants.

For James Thew (Judge/Administrator): A streamlined system for James to review, evaluate, and select the most exceptional and timely submitted recipes. The platform needs to equip James with tools for efficient management of contest entries, judging criteria, and timely announcement of winners.

For Webmaster/Administrator: A robust back-end infrastructure to manage user registrations, recipe submissions, contest timelines, and communications. The platform should offer analytics and reporting tools to track participation, engagement, and feedback, which are crucial for the continuous improvement of these culinary competitions.

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IV. Customer Requirements Specifications

1. Introduction:

This document presents a comprehensive outline of the Customer Requirements Specifications (CRS) for the development of a culinary website envisioned by Mr. James Thew. The website aims to offer a unique platform for food enthusiasts across the globe to access, participate, and engage with various cooking recipes and contests.

2. Input to the system:

a. User Registration Data:

- New users input personal details for registration, choosing between monthly (\$10) and yearly (\$100) subscription models.
- Non-registered users have limited access and can input data for contest participation.

b. Recipe and Tip Submissions:

- Users, including Mr. James, can input recipes and cooking tips, with ingredients and procedures.

c. Feedback and Contest Participation:

- Users provide feedback on recipes and participate in contests by submitting their own recipes and tips.

3. Process Involved in the System:

a. User Authentication and Profile Management:

- Secure login processes for different user roles (Admin/Mr. James, Registered Users, Visitors).
- Profile editing and management capabilities for users.

b. Content Management and Access Control:

- Mr. James can manage, upload, and categorize recipes and tips (free or member-exclusive).
- Implementing search functionalities for easy navigation of recipes and tips.

c. Contest and Feedback Management:

- Mechanism for Mr. James to organize, manage, and announce contest winners.

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- System to gather, display, and manage user feedback on recipes.

4. Output from the system:

a. Personalized User Experiences:

- Tailored home pages and content access based on user roles and subscription status.
- User profiles reflecting personal data and activity history.

b. Recipe and Content Display:

- Publicly available recipes and exclusive content for members.
- Contest entries and winner announcements.

c. Interactive Features:

- User feedback displayed on recipe pages.
- Notifications and updates on contests, new recipes, and tips.

d. FAQ and Support:

- A comprehensive FAQ section addressing common queries and instructions.
- Support mechanism for user inquiries and assistance.

Conclusion:

This CRS aims to encapsulate the essence of Mr. James's vision for a dynamic and engaging culinary website. Through careful consideration of the IPO model, this website is designed to offer an intuitive and enriching experience for all categories of food enthusiasts, ensuring robust functionality, user engagement, and seamless content management.

V. Functional Requirements Specifications

1. User Functions:

a. Un-Registered Users:

REQ-01. Register with provided details after making a payment.

REQ-02. Limited access to various recipes and cooking tips.

REQ-03. Participate in contests by submitting their own recipes and tips.

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b. Registered Users:

REQ-04. Access all functions available to Un-Registered users.

REQ-05. Log in and log out of the website.

REQ-06. Access to all exclusive recipes and cooking tips.

REQ-07. Profile: Users can change their password, view and edit payment details, view contest participation and feedback history.

2. Admin Functions:

REQ-08. Log in, log out, change password.

REQ-09. Manage, upload, and categorize recipes and cooking tips.

REQ-10. View and manage contest entries.

REQ-11. View, change password, and delete user accounts.

REQ-12. View and delete user feedback.

REQ-13. Manage categories and recipe classifications.

VI. Non-Functional Requirement Specifications:

REQ-14. User-friendly User Interface (UI) and User Experience (UX).

REQ-15. Clean, maintainable, and scalable code.

REQ-16. Enhanced performance of the website.

REQ-17. Compatibility with all modern browsers.

REQ-18. Responsive design for mobile, tablet, and desktop devices.

REQ-19. Minimize bugs and errors on the website.

VII. System requirement specifications (2023)

1. Server Requirements

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Component	Minimum Requirement	Recommended Requirement
CPU	Processor type: Intel Core i3 or equivalent	Processor type: Intel Core i5 or equivalent
Processor Speed	2.0 GHz or faster	3.0 GHz or faster
OS	Microsoft Windows 10 or higher with IIS	Microsoft Windows 10 or higher with IIS
Memory (RAM)	4 GB	8 GB or more
Hard Drive	Free space: 100 GB	Free space: 200 GB or more

2. Software:

Component	Requirement
ASP.NET Core	Version .NET Core 6.0 or later
RDBMS	SQL Server 2019 or later

3. Client Requirement:

Component	Minimum Requirement	Recommended Requirement
CPU	Processor type: Intel Core i3 or equivalent	Processor type: Intel Core i5 or equivalent
Processor Speed	1.5 GHz or faster	2.5 GHz or faster
OS	Windows 10, Linux, Android, macOS	Latest version of OS

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Component	Minimum Requirement	Recommended Requirement
Memory (RAM)	2 GB	4 GB or more
Hard Drive	Free space: 50 MB	Free space: 100 MB or more

4. Software:

Component	Requirement
Web Browser	Latest versions of Chrome, Firefox, Edge, Safari

5. Development Software

- SQL Server 2019 or later.
- Microsoft Visual Studio 2022 or later.

6. Technology

- ASP.NET Core 6.0 or later.
- Entity Framework Core 6.0 or later.

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