**Software requirements**

*Application name: “web\_chefs”*

Document Written By: webDesign\_chefs team

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# Introduction

## Purpose of requirements document

This is a formal document created with the standard IEEE/ANSI 830-1998 (Recommended Practice for Software Requirements Specifications). The main purpose of this document is to specify all the requirements for the system, which was developed to implement “webDesign\_chefs application” web application which purpose is to strenghten the relationships between students living in the dormitories by spending time together cooking and sharing their meals. The requirements document is dedicated to all stakeholders. It can also work as an agreement between the developers and the client.

## Scope of the product

The primary objective of this project is to develop a web application. The deliverable for the software is required to capture and store user data into the database, show listings created by users, include detailed source and production data, design models, schematics, and complete documentation. The code must be well-commented and justified, incorporating mock data and comprehensive test cases to cover all potential scenarios, including error logging for cases where actions cannot be captured, or failures occur. The software must ensure reliable data handling, with proper logging mechanisms for troubleshooting and diagnostics.

## Definitions, acronyms, and abbreviations

**webDesign\_chefs team:** Members of the team participating on this project: **TODO**

**Stakeholder**: Anyone who influences or interferes with product development, including clients, end users, project managers, and team members.

**Configuration File**: A file that defines the parameters, options, settings, and preferences applied to the software itself. This includes database schemas and scripts necessary for data management and system configuration.

**GitHub**: A web-based platform for version control and collaborative software development using Git. Base storage unit where the source code of the requested application is stored.

**Mock Data**: Simulated data used during development and testing to emulate scenarios after application deployment.

## References

All source code is accessible on remote GitHub repository:

<https://github.com/arti1221/webDesign_chefs>

# General description

## 2.1 Product perspective

### 2.1.1 Integration with Existing Systems:

### 2.1.2 Technology and Environment:

### 2.1.3 Deployment and Maintenance:

### 2.1.4 Components and Updates

### 2.1.5 Users and roles:

### 2.1.6 Constraints and Dependencies:

### 2.1.7 Database Schemas and Scripts:

### 2.1.8 Code Quality and Documentation:

### 2.1.9 Testing and Validation:

### 2.1.10 Licensing and Intellectual Property:

## 2.2 Product functions

### 2.2.1 Software Functions:

### 2.2.2 System-Wide Functions:

## 2.3 User characteristics

### 2.3.1 Developers

### 2.3.2 Administrator

### 2.3.1 End Users

## 2.4. General Constraints

### 2.4.1 Technical Constraints:

### 2.4.2 Legal and Regulatory Constraints:

#### Compliance:

The system must comply with all applicable laws and regulations, including data protection laws (e.g., GDPR, CCPA), industry standards, local regulations, and licenses.

#### Intellectual Property:

All components of the system must be original or appropriately licensed. **No third-party** intellectual property should be used without proper authorization.

### 2.4.3 Security Constraints:

## 2.5. Assumptions and dependencies

### 2.5.1 Assumptions:

#### Stable Environment:

The project assumes that the development and deployment environments (e.g., development tools, operating systems, cloud infrastructure) will remain stable and consistent throughout the project lifecycle.

#### Technical Expertise:

It is assumed that the development team has the necessary technical expertise and experience to work with the specified technologies, frameworks, and tools.

#### Stakeholder Engagement:

The project assumes that all relevant stakeholders will be available for meetings, reviews, and approvals as needed to facilitate timely decision-making and feedback.

#### Regulatory Compliance:

It is assumed that all applicable regulatory requirements and standards will remain unchanged during the project. Any changes in regulations could necessitate modifications to the system.

#### Data Integrity:

It is assumed that the data provided for testing and development purposes will be accurate and complete. Inaccurate or incomplete data could affect the reliability of testing outcomes.

#### Licensing and Intellectual Property:

**Licensing Assumptions:** It is assumed that all software components used in the project will be licensed appropriately. Any third-party libraries, tools, or frameworks included in the project will have valid licenses that do not restrict their use in the manner required by the project.

**Original Work:** It is assumed that all code designs developed as part of the project will be original and free from any licensing conflicts. The project will not use or integrate any proprietary or licensed intellectual property without proper authorization or licensing.

**License Compliance:** It is assumed that the project will comply with all licensing agreements and intellectual property laws. Any licensing issues or disputes will be addressed promptly to ensure that the project remains compliant with all legal requirements.

### 2.5.2 Dependencies:

#### External Systems and APIs:

#### Third-Party Libraries:

#### Integration Points:

# Specific requirements

## 3.1 Functional requirements

## 3.2 Non-functional requirements

## 4. Conclusion

This Software Requirements Specification (SRS) document outlines the comprehensive set of functional and non-functional requirements for the “webDesign\_chefs” project software components.

The purpose of this document is to provide a clear and detailed description of the system’s intended functionality, performance, and constraints, ensuring alignment between all stakeholders and guiding the development and implementation processes.

## 5. Acknowledgments:

We appreciate the contributions and feedback from all stakeholders involved in defining these requirements. All intellectual property and rights related to the content of this Software Requirements Specification (SRS) document are owned by the development team members mentioned in the document header.

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