**Software Requirements Specification (SRS) Document**

**Project Title:**

**Enomy-Finances Computer System**

**Prepared by:**

**XYZ Pvt Ltd**

**Role: Junior Software Developer**

# Introduction

## Purpose

This Software Requirements Specification (SRS) document defines the functional and non-functional requirements of the Enomy-Finances Computer System.

The goal of this system is to provide a secure, effective, and user-friendly platform for client information management, financial services, and employee activities for Enomy-Finances.

It will serve as a guide for the developers, testers, and project managers that will be handling the software development process.

## Scope

The system to be proposed will aid Enomy-Finances in:

* Keeping customer savings, mortgage, and investments accounts.
* Updating, viewing, and reporting by staff.
* Enabling clients to view their financial data online securely.
* Simplifying manual labor and improving service delivery.

The system will be a web application to be used by staff and clients through secure login.

## Definitions, Acronyms, and Abbreviations

|  |  |
| --- | --- |
| **Term** | **Definition** |
| GUI | Graphical User Interface |
| API | Application Programming Interface |
| DBMS | Database Management System |
| HTTPS | Hypertext Transfer Protocol Secure |
| SRS | Software Requirements Specification |

## References

* IEEE 830-1998: Recommended Practice for Software Requirements Specifications
* Enomy-Finances Organizational Guidelines

# Overall Description

## Product Perspective

The Enomy-Finances System will integrate the current manual or semi-digital system.

It will synchronize client data, financial operations, and reporting into one system.

It will be developed using web technology (HTML, CSS, JavaScript, PHP/Python, MySQL).

## Product Functions

Important functions are:

1. User Registration and Login
2. Client Information Management
3. Account and Investment Management
4. Staff Management
5. Transaction History and Reporting
6. Notifications and Alerts
7. Data Backup and Security

## User Characteristics

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| --- | --- | --- |
| **User Type** | **Description** | **Access Level** |
| Client | Individual users of Enomy-Finances services. | Limited – View/Edit their own data |
| Staff | Accounts and client detail-handling employees. | Moderate – Add/Edit client information |
| Administrator | System administrator in charge of security and maintenance. | Full – Manage all data and users |

## Constraints

* System must comply with data protection and financial legislation.
* Internet connectivity is required.
* Must be functional from desktop browsers.
* Data must be backed up daily.

## Dependencies and Assumptions

* General computer literacy will be present among users.
* System will be on a secure company server.
* Integration with a mobile app in the future may be necessary.

# Specific Requirements

## Functional Requirements

### User Registration and Authentication

* The system must support user registration by unique email IDs.
* The system must authenticate the user via username and password.
* The system must support resetting the password via email verification.

### Client Management

* The system will allow staff to add, update and delete client data.
* The system will hold mortgage, savings, and investment data.
* The system will allow clients to view their finances securely.

### Account and Investment Management

* The system will keep track of deposits, withdrawals, and compute interest.
* The system will generate summaries of client accounts.

### Reporting

* The system will allow staff to generate monthly and annual reports.
* Reports will include client summaries and statistics on transactions.

### Notifications

* The system will notify clients of updates or changes in accounts.
* The system will give notice of pending payments or due dates.

### Administration

* Admin will manage user roles and permissions.
* The system will log all things for audit.

## Non-Functional Requirements

|  |  |
| --- | --- |
| **Requirement Type** | **Description** |
| Performance | System must support at least 200 simultaneous  users without delay. |
| Security | All data should be encrypted; users should  securely log in using HTTPS. |
| Usability | Interface should be straightforward and intuitive  with simple, easy-to-use navigation. |
| Reliability | System uptime should be at least 99%. |
| Maintainability | Should be easy and modular to maintain. |
| Portability | Should be deployable on main browsers (Chrome, Edge, Firefox). |

# External Interface Requirements

## User Interface

* Web-based GUI via browsers.
* Staff and client dashboard.
* Report and data input forms.

## Hardware Interface

* Standard desktop/laptop hardware.
* Minimum 4 GB RAM, 2 GHz CPU.

## Software Interface

* Operating System: Windows/Linux
* Database: MySQL or PostgreSQL
* Web Server: Apache or Nginx

## Communication Interface

* HTTPS protocol for secure communication.

# Summary of System Features

|  |  |
| --- | --- |
| **Feature** | **Description** |
| Authentication | Secure login/logout facility |
| Client Management | Add, edit, remove client information |
| Finance Management | Manage savings, mortgages, and investments |
| Reporting | Create and export reports |
| Notifications | Send updates and alerts |
| Backup | Automated backup of data |

# Other Needs

* The system must allow for audit logging of all activities.
* Must be capable of meeting local data protection law.
* System update should be facilitated regularly via GitHub version control.

# Version Control

Version control and collaboration will be managed using GitHub in this project.

All releases, commits, and updates will be tracked using Git and pushed to a GitHub repository named:

EnomyFinances-SRS

# Authorization

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Role | Signature | Date |
| XYZ Pvt Ltd Project Manager | Supervisor |  |  |
| Junior Software Developer | Author |  |  |