SUNSTONE

INTERNET BANKING SYSTEM

Task - 1

Internet Banking System

- Internet Banking System project captures activities performed by different roles in real life banking which provides enhanced techniques for maintaining the required information up-to-date, which results in efficiency. New users can register through online application form which is available in our website. After registration the system, it will automatically generate a printout copy, by which they can open a new account in the bank.

LMS Username	Name	Batch
2115a81	SRISARAVANAN K	A8

Task - 1

Creation of SRS & Github

- Create SRS : Internet Banking System
- Creation & Set-up of Github account
- Creation & Hands-on to various commands of Git Bash

Evaluation Metric:

- 100% Completion of the above tasks

Learning Outcome

- Get to know about different lifecycle models.
- Understanding importance and how to create an SRS
- Knowing various commands of Github
- Understanding agile and scrum management techniques for efficient product development
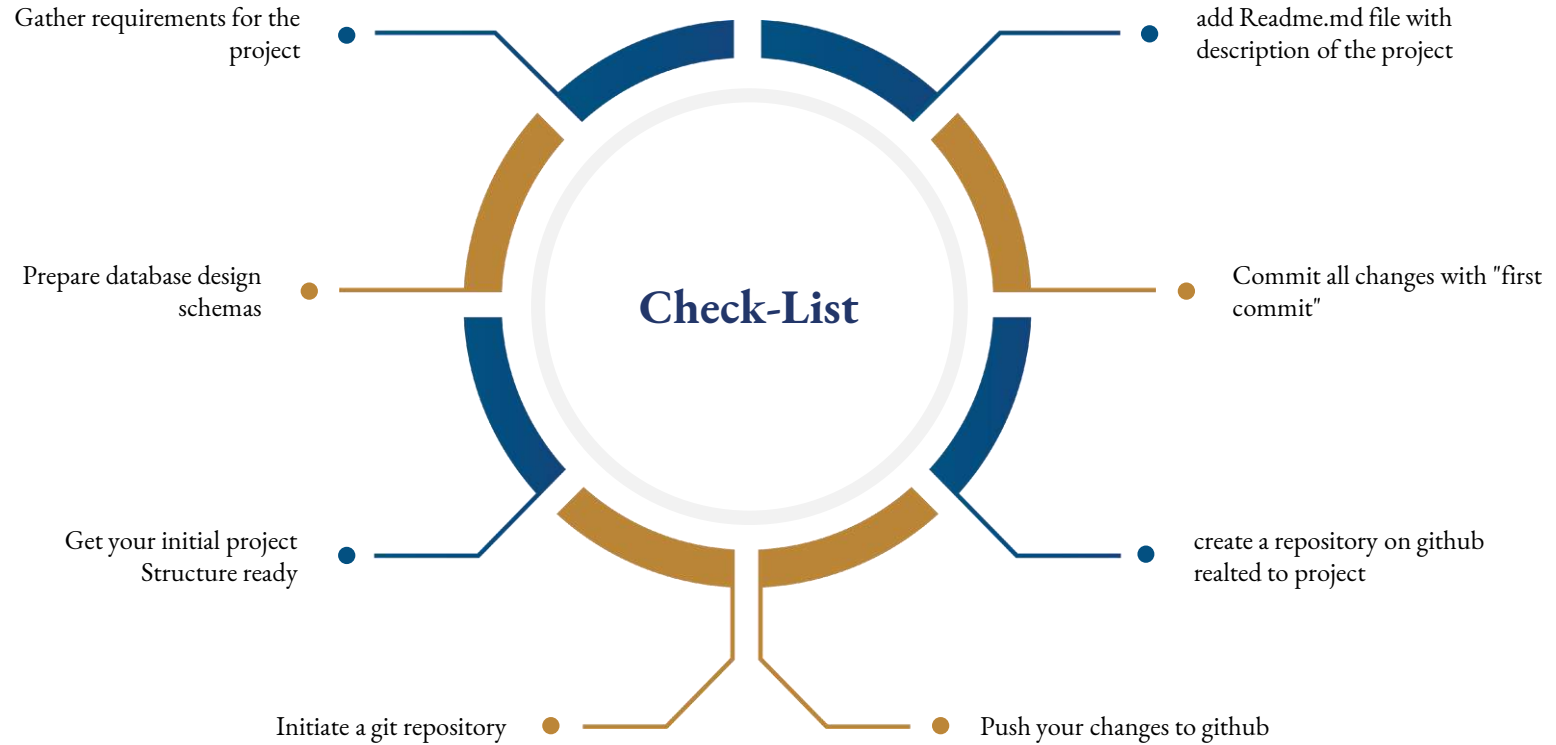
Step-Wise Description

An Internet banking system, also known as online banking or electronic banking, is a financial service that enables customers to access their bank account information and perform various transactions over the internet. This allows customers to carry out banking activities from anywhere with an internet connection, at any time of the day, making banking more convenient and accessible. Typically, an Internet banking system provides users with a secure login and password to access their account information. Once logged in, customers can view their account balances, transaction history, and other details such as interest rates, loan balances, and credit card statements. Internet banking systems offer customers a fast, convenient, and secure way to manage their finances from anywhere in the world.

Summary of your task

I have created the SRS document for the Internet banking system creation project. This document contains all the details of the resources, references, dataset etc. This document will be used throughout the software development cycle. For further details take a look at my github link.

Assessment Parameter

Check-List

Gather requirements for the project

Prepare database design schemas

Get your initial project Structure ready

Initiate a git repository

add Readme.md file with description of the project

Commit all changes with "first commit"

create a repository on github realted to project

Push your changes to github

SRS FOR INTERNET BANKING SYSTEM

1. Introduction

This web application must be easy to use and at the same time be sufficiently featuring rich to manage all the site content. It needs to be suitably intuitive for a committed webmaster who wishes to personalize the site.

1.1 Purpose
This document details the software requirements for the Online Banking system project. It defines what the problem is and what problems a complete solution has to solve. The intended audiences for this document are the development team, the team manager, the customer and all other stakeholders in the system.

1.2 Scope
New software needs to be built for Online Banking system. For this, a new user should easily be able to get application form, fill that form manually and submit with proof in nearest banks or online. The new user first registers themselves, by applying at the Net Banking site, then fills and submits the form to bank. Finally, the Admin grants the access after verifying the details about new users request and activates the users' account.

1.3 Overview

Online Banking System project captures activities performed by different roles in real life banking which provides enhanced techniques for maintaining the required information up-to-date, which results in efficiency. New users can register through online application form which is available in our website. After registration the system, it will automatically generate a printout copy, by which they can open a new account in the bank.

2. Overall Descriptions
The application is to be fully-functional bank software. It will consist of a few different modules:-

2.1 Product Perspective
The Online Banking System is the software, which manages the various users with independent access. The Online Banking is a special order software system. It will be used in the stated configuration of online.

2.1.1 System Interfaces
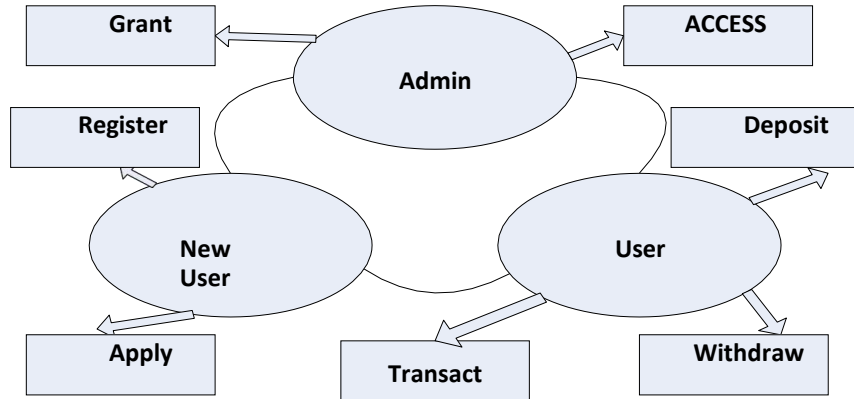
2.1.1 User Interfaces

There are four different ways for a user to interact with the system:

Viewers: Many unknown persons or un-authenticated persons visit the Bank official site via internet. They collect the information and search what are the schemes are available in the bank web page.

New User: Who all visited that Bank webpage or heard about the bank those persons getting ready to start account in bank. They register the bank application form, submit and start account in the nearest bank.

Existing User: The Existing user is the most typical user of the Online Banking system. Each Users have their own account and registered or authorized login access. The Existing user canlogin in online to their account perform the operation of deposit, withdrawn, transfer, balancequeries and transactions

Administrator: Admin is master user of the system because they are main role of the system. Admin grant and maintain the database of the existing user and grant the permissions to users. Itoverrules all other users.

2.1.2 Hardware Interfaces

On each System and internet connection, there are processes responsible for it. They perform all the online functions needed for a single banking system. If the systems that hardware (server and user's system) is able to make the banking function properly.

2.2 Product Function

2.2.1 User Characteristics

The typical bank customer will be a person, from the age of 18 and up. There will more than likely be a fairly equal distribution of males and females. The typical customer will probably use the online couple of times a week. The typical customer might not know anything about computers, so their system needs to be very simple and easy to use.

2.2.2 Constraints

The information of all the users must be stored in a database that is accessible by the Online System. The Online Banking System is connected and is running 24 hours a day. The users access the Online System from any computer that has Internet browsing capabilities and an Internet connection. The users must have their correct usernames and passwords to enter into the Online Dictionary System

3. Specific Requirements

1. External Interfaces

The external interfaces of the Online Banking system are relative to the various users which contain independent access units in each, and one master control of admin. These interfaces are described below:

1. User Interface

The User Interface defines the human-computer interaction of the Online Banking system. The system requires interaction from various users:

- The standard existing users or customers interact with the online interface within the banking System.

- The existing user interacts with the system to allow or authenticate for deposit, withdrawn, transfer and balance queries

- The new user interacts with the system to register and apply to the Online Banking transactions.

3.1.2 Hardware Interface

The software shall interface with the electromechanical that controls the online connection systems. The software shall interface with a breaking mechanism in case of emergencies. The transactions and accesses shall be controlled by the software based on command and graphical user inputs. The hardware interface is supported by the main control panels (buttons, keyboard, mouse and communication mediums).

3.1.3 Software Interface

Software interface is supported by the main control panels and operating system in which hosts the algorithms for calculating distributed travel and wait time information.

Additionally, the algorithms define and export system commands for main control panels, and communication mediums.

3.2 Functions

The Online Banking System shall contain the following functionality organized by object:

3.2.1 .Login Capabilities

INPUT- The username and password

OUTPUT- the personalized login page will be displayed.

PRECONDITION – the user should be a registered customer/ should register as a new user.POSTCONDITION- NA.

3.2.2 Browsing

INPUT- Clicks on the link to which the service belongs.OUTPUT- The service

of the banking web page view

PRECONDITION- The link pages should exist in the banking database.POSTCONDITION-

NA.

3.2.3 Register

INPUT   - New user fill the details send the completed formOUTPUT - The form

is sent to the administrator.

SRS FOR INTERNET BANKING SYSTEM

PRECONDITION – the user should be a registered customer/ should register as a new user.
POSTCONDITION- NA.

3.2.4 Print view

INPUT   - New user download the completed formOUTPUT - the form
is view and make ready to print

PRECONDITION – User download the application form from webpage

3.2.5 Money Deposit

INPUT   - User can click the link and send to database

 OUTPUT - user can view the information in page

PRECONDITION – the user should be a deposited their account.

POSTCONDITION- NA.

3.2.6 Money Transfer

INPUT   - User can click the link and send to database

OUTPUT - user can view the information in page

PRECONDITION – The user click the hyperlink in webpage.

3.2.7 Account Information

INPUT   - User can click the link and send to database

OUTPUT – User can view the information in page

PRECONDITION – the user click the hyperlink in webpage.

3.3 Performance Requirements

The Online Banking System shall be built upon an internet connection of server. The processor must be capable of handling real-time functionality activated by the defined users and communication medium. In addition, the system must be safety-critical

3.4 Design Constraints

Standards Compliance: The software shall adhere to Account Department codes and regulations, and Building codes related to public accounts safety.

Hardware Limitations: This software shall run only on an internet, it must be easily transferable to the field. Admin perform the operation in online either offline.

4. Software Attributes (Non-functional)

4.1 Usability: The users of the system are members and the administrators who maintain the system. The members are assumed to have basic knowledge of computers and Internet browsing

4.2 Reliability: The system is safety critical. If it moves out of normal operation mode, the requirement to drop to the next lower floor and open its doors is given priority

4.3 Availability: When in normal operating conditions, a request by a user for a servicer shall be handled within 1 second

4.4 Security: There shall be no security mechanisms in place to keep unwanted users out of the system.

4.5 Maintainability: There shall be design documents describing the internal works of the software.

4.6 Portability: There are no portability requirements.Requirement Organization: All requirements shall be organized according to the object.
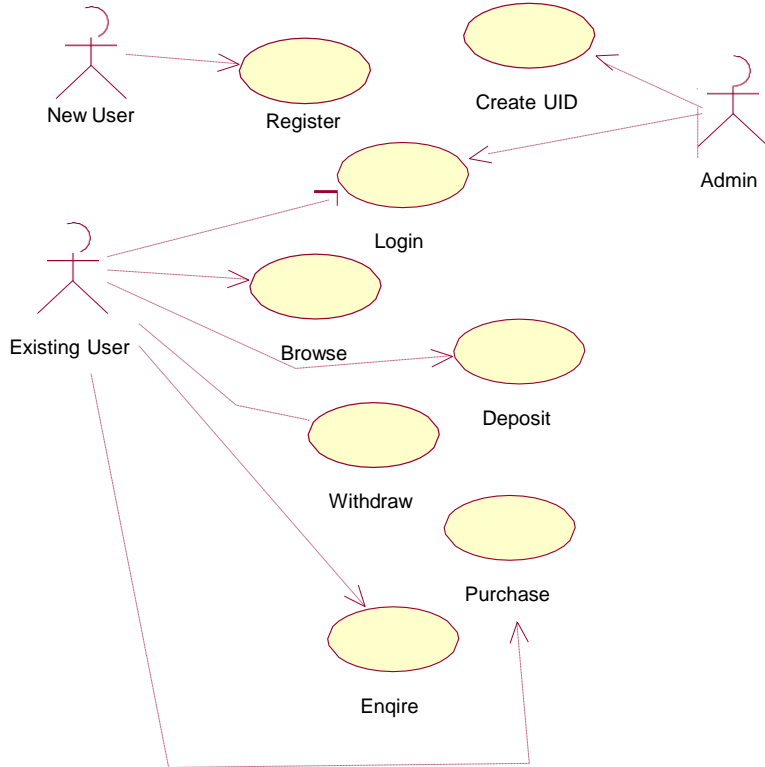
5. Dependencies

The various numbers of users and services on the Online Banking system

- Power source

- Systems(User systems/Servers)

- Communication mediums(wired/wireless)

- Internet Connections

6. Appendixes

6.1 Requirements Summary

System analysis will be performed to determine if it is feasible to design information based on policies and plans of the organization and on user requirements and to eliminate the weaknesses of the present system.

General requirements are: -

1. The new system should be cost effective.

1. To augment management, improve productivity and services.

1. To enhance User/System interface.

1. To improve information qualify and usability.

2. To upgrade system's reliability, availability, flexibility and growth potential.