



**BHARATIYA VIDYA BHAVAN'S**  
**SARDAR PATEL INSTITUTE OF TECHNOLOGY**  
MUNSHI NAGAR, ANDHERI (WEST), MUMBAI – 400 058.  
(Autonomous College Affiliated to University of Mumbai)  
**MASTER OF COMPUTER APPLICATIONS**

**Academic Year – 2022-23**

Class: F.Y.MCA                      Semester: I                      Subject: **Software Engineering Lab**

Subject In charge: Nikhita Mangaonkar      Course Code: MC503

**ROLL NO : 05**

**BATCH: A**

**NAME:** Tanmay Prashant Chavan

**EXPERIMENT NO:** 01

**EXPERIMENT TITLE:** To Check Feasibility Study & Prepare SRS.

**Objective:**

1. To define a scenario.
2. To check feasibility study with different types
3. To define definitions and abbreviation used in the project
4. To analyze software and hardware interfaces
5. To list and correlate functional and nonfunctional requirement and other requirement

**DATE TURN 1:**

**DATE TURN 2:**

**Case study - MyVocab Space**



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**Objective:** To store ,manage and revise meanings to improve the user's vocabulary.

**Abstract:**

My vocab space is a website which allows users to add meanings to the website which is stored in the database. It helps users to revise the meanings with time to time scheduled notifications, daily revision of newly added meanings at the end of the day and also weekly quizzes. Its user-friendly, responsive UI design allows the user to use the website in mobile, desktop or any other device which supports a browser.

It has the feature of “pin”, which allows the user to pin any meaning to the top so that he/she can revisit important meanings very fast without having to scroll through the entire list. It also allows the user to add meanings to different folders when creating new ones, so that users can see all the related meanings in just one click. Search bar functionality helps the user to do a fast look-up in the list of the meaning which he/she is looking for. An additional feature also added keeping the bandwidth problem in mind which is, In the beginning it asks the user how he/she wants to manage the data(meanings), there are 2 options provided for now, each having its own pros and cons.

Entire system comprises of 3 major modules:

**1) Main UI page:**

- Displays meanings.

- Allows pinned list first.

- Allows hard refresh (in case recently added data is not being shown in UI).

- Allows deletion and unpinning of meaning from the database.

- Allows users to mark the meaning as checked or unchecked.

**2) Add new data:**

- Allows users to enter data.

- Asks user to pin it or not ( by-default its not-pinned)

- Asks user to add to a folder ( by-default its mix folder )

**3) Profile:**

- Allows the user to update his/her data which can be password, username etc.

- Allows the user to send and check for friend requests.

- Change/ update timing of notifications.

- Update theme



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**Feasibility Types:**

- (1) Technical Feasibility:** Developed in javascript language using Reactjs Framework. NodeJs & ExpressJs for backend and Firebase for storing data and hosting webapp.
- (2) Operational Feasibility:**
  - a) Android:** Decent processor which can run browsers smoothly. 1GB ram or above and stable internet connection, preferred browser is Chrome for proper functionality.
  - b) Desktop:** Modern browser supporting browsers, preferred browser is Chrome for proper functionality and stable internet connection.
- (3) Economic Feasibility:** Development cost: Rs 15,000

**Purpose:**

The purpose of this Software Requirement System is to provide a clear and documental model view of what functionalities are provided by the web-application.

**Scope:**

The product to be developed is a web-application(website) which can be used by anyone who is interested in increasing his/her vocabulary.

**Product perspective:**

MyvocabSpace web-application provides functionalities to the users to store the meanings which they encounter while reading or watching something or if they wish that they want to remember/refer to this for a longer use, they can use this easy-to-use and simple web-application.

**User Interface:**

- 1. Main display:**It displays all the meanings which the user added over the period of time.
- 2. UI for adding data:** It allows the user to add data to his/her collection which is stored in the backend.
- 3. Profile page:** It displays and allows the user to update his data, to change the theme, to update notification timings and to check for friend requests.



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**User Characteristics:**

It can be used by anyone who has a better understanding of how to use a website. Like college students can use this to enhance their vocabulary etc.

**Functional Requirements:**

**1. Allow notifications:**

Input:

User to click on the bell icon.

Output:

Four notifications per day.

Description:

Shows notification to the user four times per day.

**2. Add Data:**

Input:

User to click on the “+” icon.

Output:

A UI displayed asking details from the user.

Description:

It allows the user to add data(meanings) using this interface.

**3. Mark Completed:**

Input:

User to click on check-mark box

Output:

Marks the meaning as completed by user

Description:



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When marked checked it is then added to the completed list and then the text is striked off to show that it is completed.

#### 4. Search:

Input:

Text the user want to search

Output:

Filtered list of meanings according to text entered.

Description:

It is used to search for specific meaning if it is present in the users list.

#### 5. Folder search:

Input:

Click on the blue tags

Output:

Filtered list will be displayed based on user click.

Description:

It is used to display all the meanings which are only present inside the folder which the user clicked.

#### 6. Profile:

Input:

Click on the profile pic.

Output:

Show the profile page of the user with his details.

Description:

All the details of the user will be displayed in the profile section, like theme, username, friends etc.

#### 7. Slot section in profile:

Input:

To select a timing slot

Output:

Notifications will be sent according to the slot chosen.



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#### Description:

It allows the user to update timing according to his/her convenience.

#### User Interfaces:

##### 1. Main Display:

- a. It shows the list of all the meanings added by the user so far.
- b. It is having a search bar using which the user can search for a particular meaning in the list.
- c. It is having a hard refresh button in the menu bar, just in case any added data/meaning is not being shown.
- d. A bell icon in the top right corner to start notifications for particular users.
- e. It is having an add button in the menu bar using which the user can add new meaning in his list.

##### 2. Settings panel:

- a. It asks users two questions about storage, whether to store the data in localStorage or sessionStorage, both of which are having different behaviour.
- b. It is asked only one time when the user first logs in.

##### 3. Add data panel:

- a. To input fields are shown to the user where the user can type the word along with its meaning.
- b. An option is displayed to allow the user to select whether to pin the message by-default or not.
- c. A drop-down list to create or select a folder which is optional as it adds to the default(mix) folder if not selected/created by the user.



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4. Profile panel:

- a. It displays the data of the user like theme, friends list, username.
- b. It allows the user to select a time slot according to his/her convenience.
- c. It also allows the user to update the password or username and edit his/her friend list.

**Softwares Interfaces:**

This web-application runs on any platform provided that it supports browsers (Chrome is suggested) and internet connection is a must.

**Hardware Interface:**

This web-application is compatible with devices having a minimum 1GB ram and supports browsers(Chrome is suggested).





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#### Block Diagram:

