



## LABORATORY WORK BOOK

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Class: CSE-B Semester: VI

Course Code: ACIC09 Course Name: SOFT LABORATORY

Roll Number									
2	1	9	5	1	0	0	5	6	5

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Exercise Number: \_\_\_\_\_ Week Number: 03 Date: 11/11/24

S. No.	Exercise Number	EXERCISE NAME	MARKS AWARDED						
			Aim/ Preparation	Algorithm / Procedure		Source Code	Program Execution	Viva Voce	Total
				Performance in the Lab		Calculations and Graphs	Results and Error Analysis		
			4	4	4	4	4	20	
1	3.1	Test cases for GMAIL	4	4	4	4	4	20	
2	3.2	Test case for FACEBOOK							
3	3.3	Test cases for TWITTER							
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### 3.1 Test cases for GMAIL

Create test cases for gmail involves covering various functionalities and scenarios to ensure the proper functioning of the Gmail service.

#### Test Case - 1: Login Functionality

Verify that the login page loads correctly.

Test login page with valid credentials.

Test login with invalid username.

Test login with invalid password.

Verify "Remember me" functionality.

Verify "Forgot Password" link functionality.

#### Test Case - 2: Email Composition

Verify that the "Compose" button is functional.

Test composing an email with valid recipient.

Test composing an email with multiple recipients.

Verify that email subject field is mandatory.

Test attaching files of different formats & sizes.

#### Test Case - 3: Sending Emails

Verify that "send" button sends email successfully.

Test sending emails with different attachments.

Verify that the email is sent to all recipients specified.

Verify that emails are sent instantly without delay.

### Test Case - 4: Email Receiving

Test receiving emails sent from another account.

Test receiving emails with different types of attachments.

Verify that received emails appear in the inbox folder.

Verify that email content is displayed correctly.

### Test Case - 5: Email Organization

Test moving emails to different folders.

Test marking emails as important.

Verify that emails can be archived successfully.

### Test Case - 6: Search Functionality:

Test searching for emails using keywords.

Test searching within specific folders/labels.

### Test Case - 7: Filters and Labels

Verify that filters can be created successfully.

Test applying filters to incoming emails.

Verify that labels can be created and applied to emails.



### 3.2 Test Cases for FACEBOOK

Create test cases for Facebook involves covering various functionalities of the platform, considering factors like usability, security.

#### Test case-1: Login/Logout

Verify that login Page loads correctly.

Test login with valid credentials.

Test login with invalid username.

Test login with invalid password.

Verify that users can log out successfully.

#### Test case-2: News Feed

Test that news feed loads correctly after login.

Test scrolling through news feed.

Test hiding/unhiding posts from specific users.

#### Test case-3: Posting

Test creating a new text post.

Verify that users can tag friends/pages in post.

Test adding location to a post.

#### Test case-4: Comments and Likes

Test Commenting on a post

Test editing/deleting comments

Test liking/unliking a post.

### Test case - 5: Profile

- Verify that users can access their profile.
- Test updating profile information.
- Test uploading/changing profile and cover photos.
- Test viewing other user's profiles.

### Test case - 6: Friends and Followers

- Verify that users can send friend requests.
- Test accepting/rejecting friend requests.
- Test following/unfollowing users or pages.

### Test case - 7: Messenger Integration

- Test sending messages to friends.
- Verify that users can create group chats.
- Test sending stickers, GIFs & other messages.

### Test case - 8: Events and Groups

- Test creating an event.
- Verify that users can RSVP to events.
- Test creating/joining groups.
- Test group chat functionality.



## 3.3 Test cases for TWITTER

creating comprehensive test cases for Twitter involves covering various aspects of platform, sharing, interactions of users.

Test case-1: Login/Logout

verify that login page loads correctly.

Test login with valid credentials.

Test login with invalid credentials.

verify "Forgot Password" functionality.

verify that users can log out successfully.

Test case-2: Timeline

Test that the timeline loads correctly.

Test scrolling through the timeline.

Test hiding/unhiding tweets from specific users.

Test case-3: Posting Tweets

Test creating a new tweet

Test adding images or GIFs to tweets.

Test tagging users in tweets.

Test case-4: Retweets and Likes

Test retweeting a tweet.

Test undoing a retweet.

Test liking/unliking a tweet.

### Test case-5: Replying to Tweets

Test replying to a tweet

Test deleting replies.

Test editing replies.

### Test case-6: Profile

Verify that users can access their profile.

Test updating profile information.

Test uploading/changing profile & header images.

Test viewing other users' profiles.

### Test case-7: Followers & Following

Test following / unfollowing other users.

Verify that users can block / unblock others.

Test sending and accepting follow requests.

### Test case-8: Direct Messages

Test sending direct messages to other users.

Verify that users can create group.

Test sending media in direct messages.

### Test case-9: Trending Topics

Test viewing trending topics.

Test clicking on trending topics to view related tweets.

Verify that trending topics are relevant to the user's interests and location.