



January 25, 2024

# PolyCal

Version 1.3.2

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**GROUP 7- ITIQUES**  
BSIT 1-2

**Prof. Brian De Vivar**



# Meet the Team

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Web Calendar Application



**Team Leader**  
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Nicole



**Developer**  
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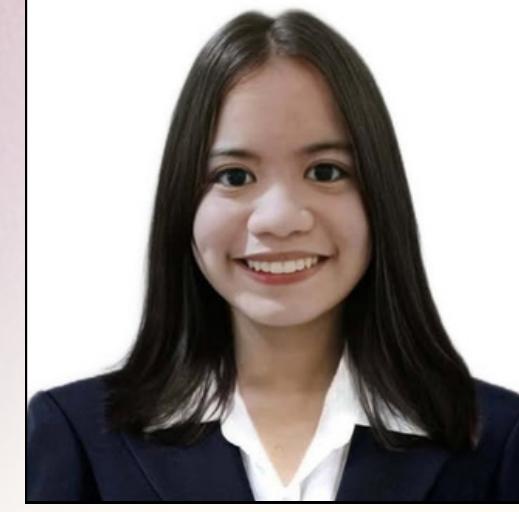
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Acosta, Cj S.



**Project Manager**  
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**Developer**  
Privaldos Jr.,  
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**Quality  
Assurance**  
Vidal, Jennylyn M.



# Problem and Solution

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Web Calendar Application



## Problem

1

**People struggle to manage multiple tasks and to use their time efficiently that results to missed deadlines, procrastination, and feeling overwhelmed**

2

**People often have to rely on multiple separate apps for tasks, calendars, and reminders**

3

**Users often find it difficult to differentiate between urgent and non-urgent tasks**



## Solution

Offer an application with features like customizable calendars, reminders, and scheduling tools to help users visualize their commitments.

1

An application that has priority tags and color-coded labels for users to better focus and know the crucial tasks that they have to finish.

2

Provide a unified solution that integrates project management, task lists, calendars, and reminders into a single application.

3



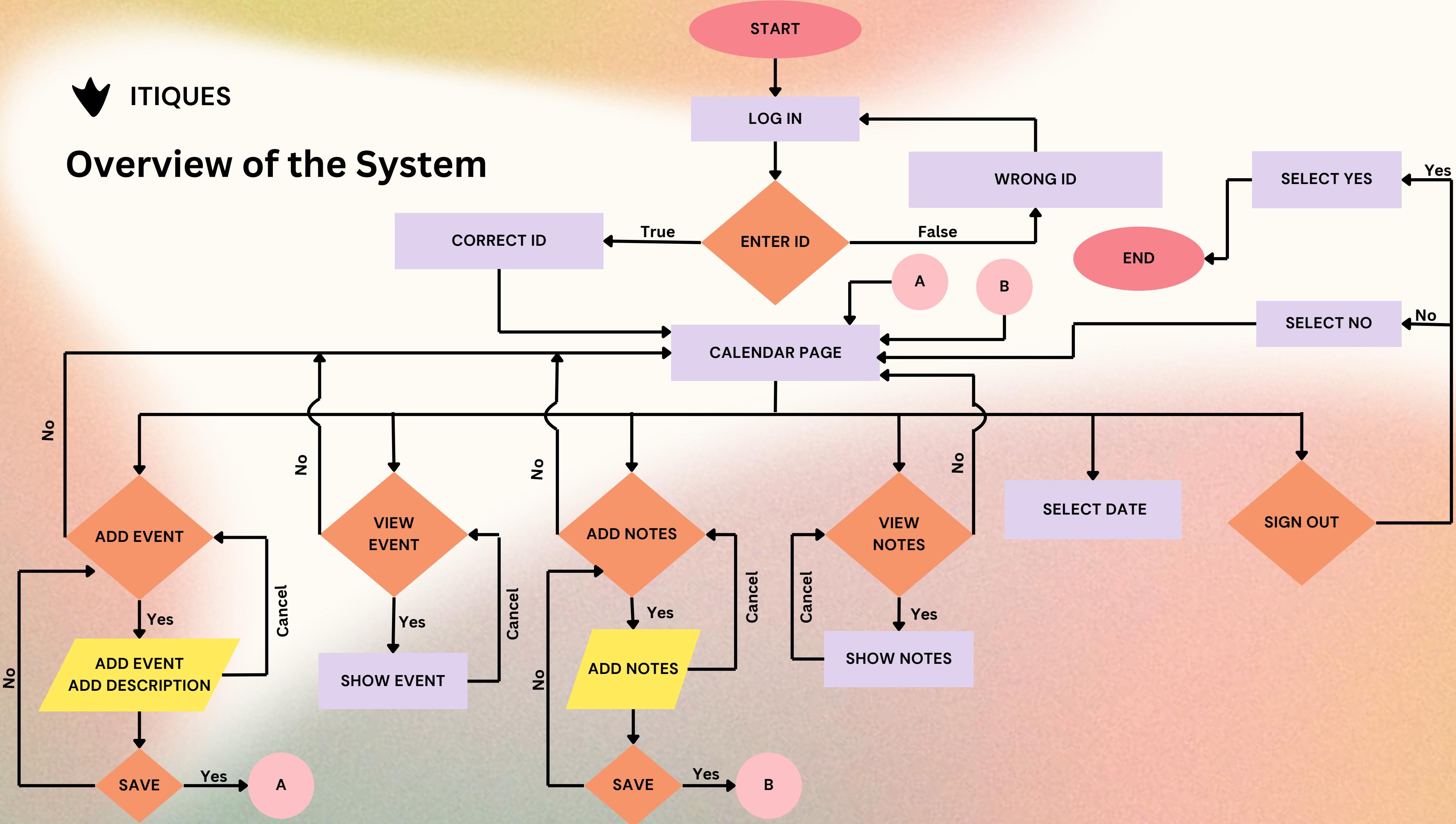
# Overview of the System

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Web Calendar Application



# Overview of the System





# System Requirements

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Web Calendar Application



# Epics, User Stories with Acceptance Criteria

**Provide/Design a digital calendar for PUP Parañaque students**

## User Story #1

As a student, I should be able to see the university's academic calendar, upcoming or ongoing events, so that I know what's happening on campus.

[ ] Given the users access the web calendar, When they log in with their student number, Then, they should see an overview of the current month.

## User Story #2

As a student, I want the calendar to have a friendly user design, so that I can easily navigate and use it without difficulty or confusion.

[ ] Given a user wants to check what's happening on the current month, When they want to see the upcoming or ongoing events of the current month, Then, users should see the current day highlighted.

## User Story #3

As a student, I want the calendar to clearly mark or show the university or campus special events, and holidays so that I can easily see and plan my schedule accordingly.

[ ] Given users is navigating the calendar, When looking for a specific event or task, Then they will have the name of the event highlighted on that day (empty for no events).



# Epics, User Stories with Acceptance Criteria

## Personalization of the Web Calendar

### User Story #1

As a user, I want to be able to create an event/schedule, so that I can keep track of my obligations.

[ ] **Given** the user is creating or editing an event,  
**When** they provide a description or notes for the event,  
**Then** the system must save and display the description or notes for that event.

### User Story #2

As a user, I want to view a single month on my calendar, so that I can see what days have events

[ ] **Given** the user is on the calendar view,  
**When** they select a particular day,  
**Then** the system must display the events planned for that day.

### User Story #3

As a user, I want to view other months, so that I can look ahead in time and behind.

[ ] **Given** the user is on the calendar view,  
**When** they navigate to earlier or later months,  
**Then** the system must update the view to display events for the selected month.



# Epics, User Stories with Acceptance Criteria

**Access option of  
the Web  
Calendar**

## User Story #1

As a student, I want to be able to log in using my PUP student number, so that I can access the university's calendar

[ ] Given the user is not connected to the internet,  
**When** they add, modify, or remove a calendar entry,  
**Then** the system must allow these actions and sync the changes once the internet connection is restored.

## User Story #2

As a user, I want to be able to view and edit my calendar offline, so that I would be able to access my calendar without the need for internet connectivity.

[ ] Given the user encounters an issue during login,  
**When** an error occurs,  
**Then** the system must display a clear and informative error message that explains the issue and provides guidance on how to resolve it.

## User Story #3

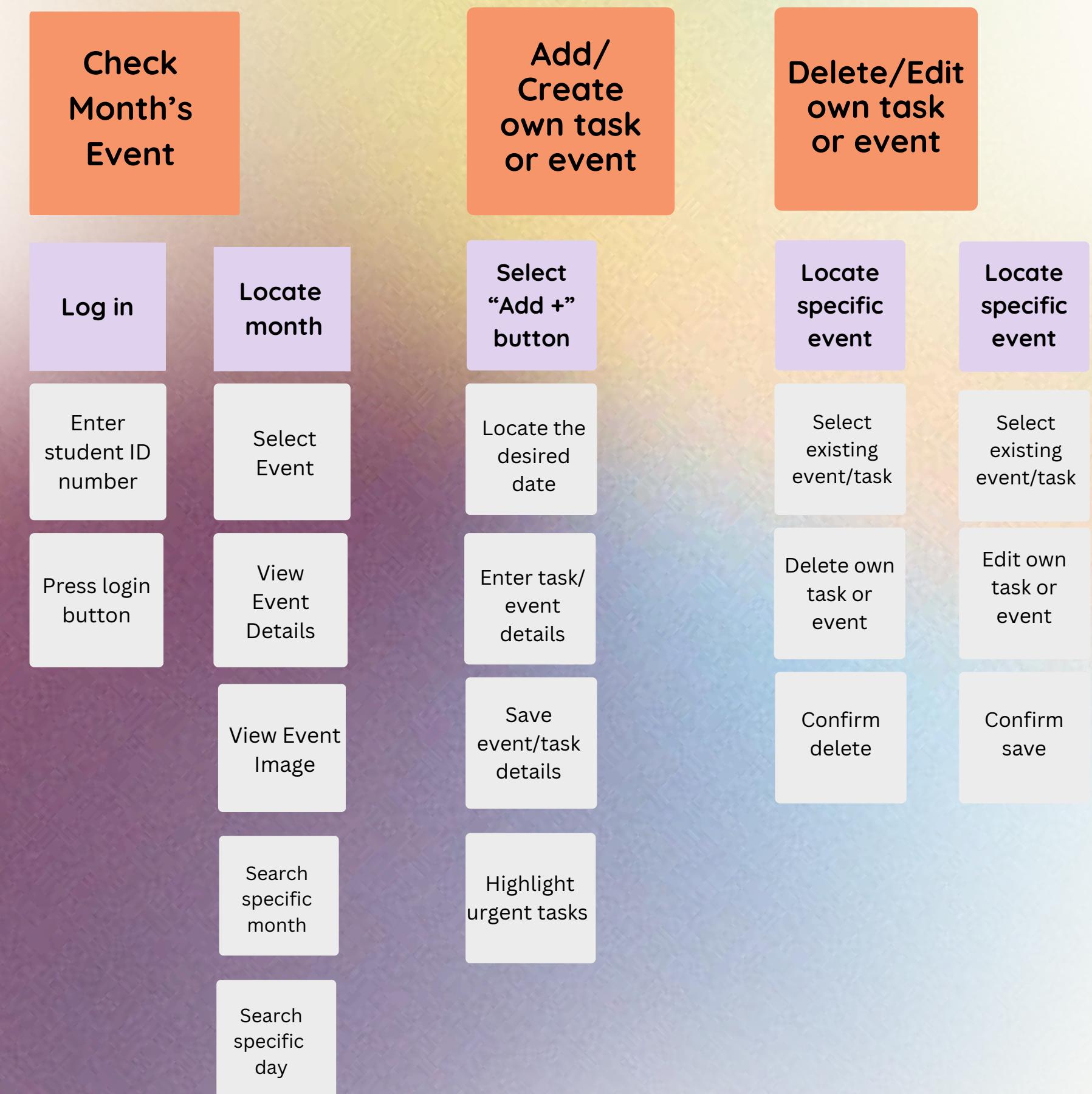
As a user, I want informative error messages that help me understand and fix any issues I encounter while signing in.

[ ] Given the user has no active internet connection,  
**When** they perform actions such as adding, editing, or deleting a calendar entry,  
**Then** the system must store these changes locally and ensure they are synchronized to the server once connectivity is restored.

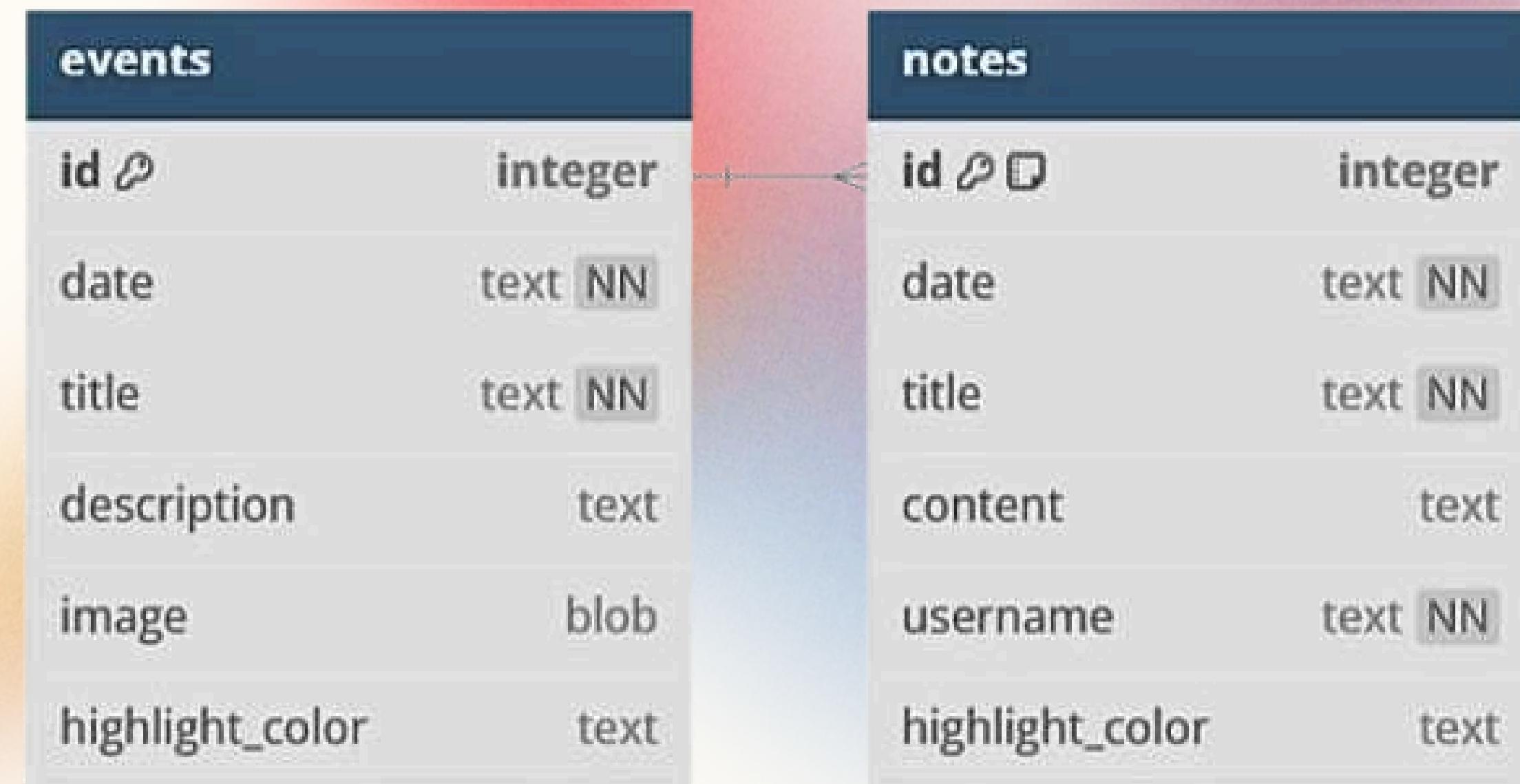


# User Story Mapping

## RELEASE 1



# Database Diagram





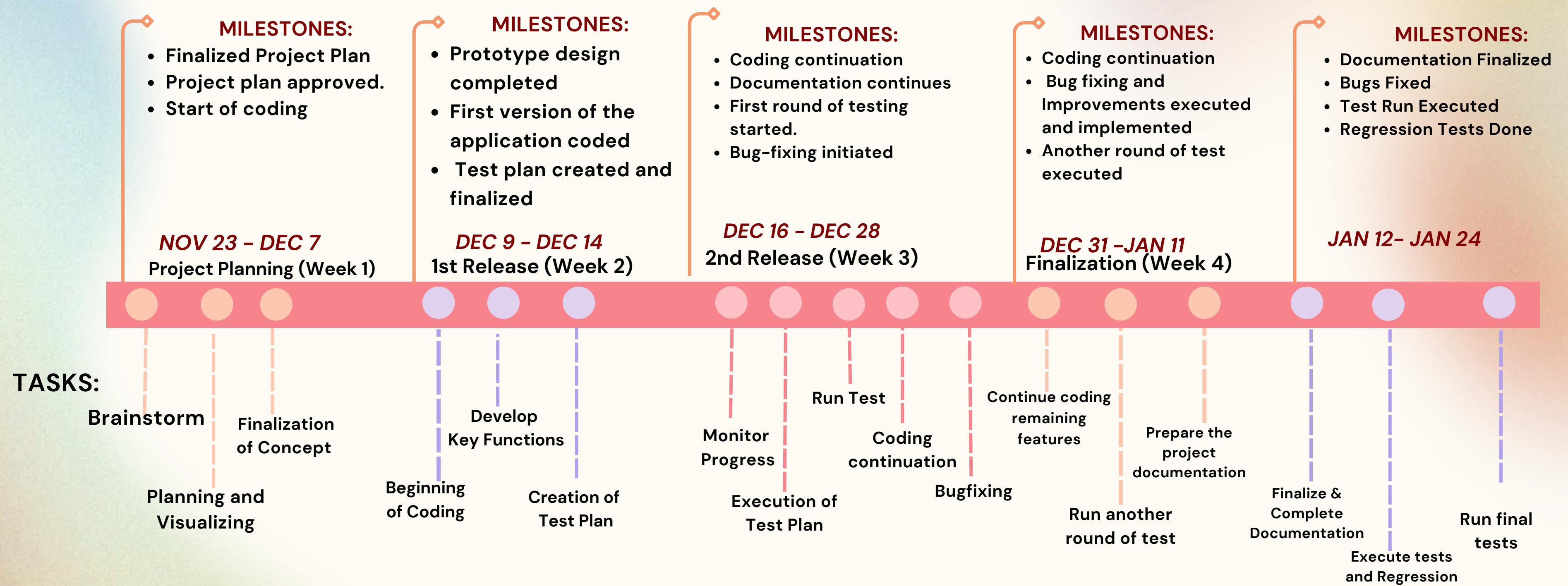
# Project Timeline and Milestone

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Web Calendar Application



# Timeline and Milestone





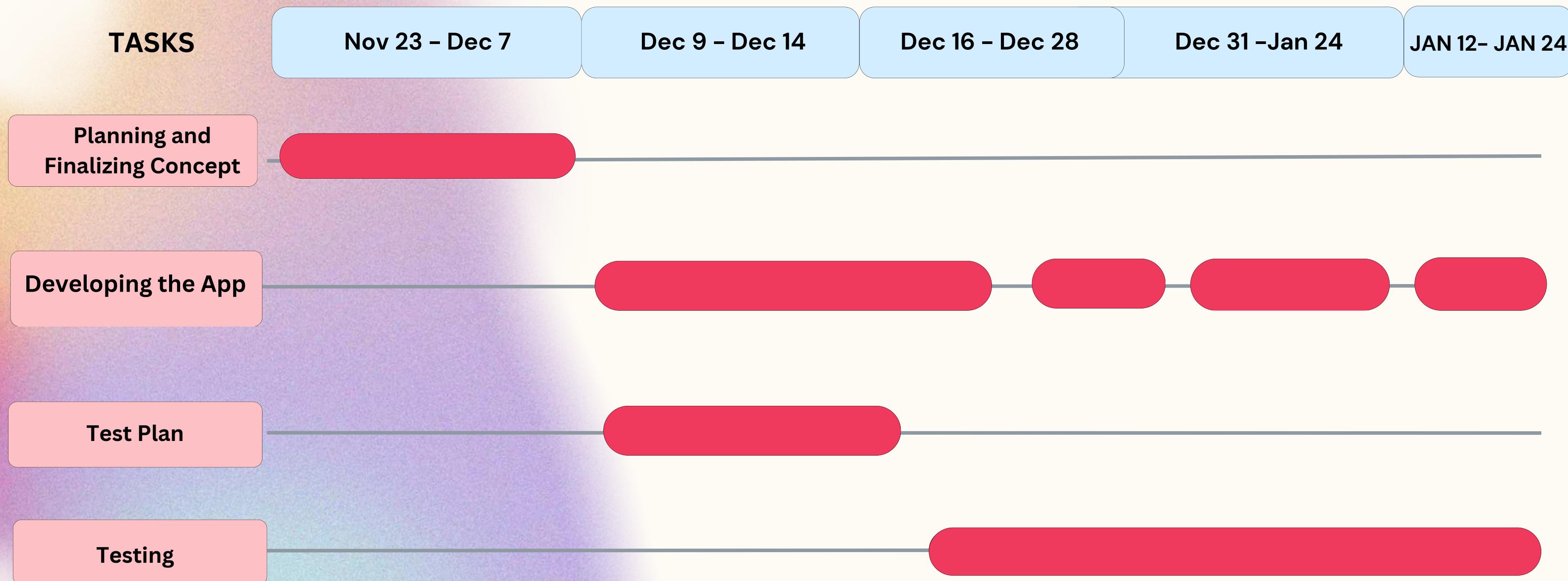
# Project Management Gantt Chart

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Web Calendar Application



# Project Development Gantt Chart





# Test Cases

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Web Calendar Application



# Test Cases

Test Case ID	Scenario Description	Precondition	Steps to Execute	Expected Results	Actual Result	Status
TC-LOGIN-001	Verify log in use of invalid ID number	User is in the log in page	1. Open the log in page. 2. Enter invalid credentials (e.g. InvalidIDnumber) 3. Click the log in button	Invalid credentials trigger an error message and prevent login. User should see an error message that says: "Invalid student ID number."	The error message displayed.	Success
TC-LOGIN-002	Verify log in using incomplete user ID	User is not log in	1. Open the log in page. 2. Enter invalid credentials 3. Click the log in button	Invalid credentials trigger an error message and prevent login. User should see an error message that says: "Invalid student ID number."	The error message displayed.	Success
TC-LOGIN-003	Verify log in with blank fields	User is in the log in page	1. Open the log in page. 2. Leave the "Student ID number" blank 3. Click the log in button	Invalid credentials trigger an error message and prevent login. User should see a message that says: "Please enter a student ID"	The error message displayed.	Success
TC-LOGIN-004	Verify log in by typing the ID number incorrectly five (5) times in a row	User is in the log in page	1. Open the log in page. 2. Enter invalid credentials five times 3. Click the log in button	User should be locked out for 2 minutes	The user did not locked out	Failed
TC-LOGIN-005	Verify log in use of valid ID number	User is in the log in page and should be a PUP student	1. Open the log in page. 2. Enter valid credentials 3. Click the log in button.	User should be directed on the home page, current date and month should show up on the main page	The user was able to log in	Success
TC-VIEWMD-001	Verify calendar view	User is in the calendar page and log in	1. Observe the default calendar view 2. Confirm that all visible events are displayed accurately based on the current date and time.	The calendars's month and days are displayed accurately all on the calendar page.	The calendar's month and days are displayed.	Success
TC-VIEWMD-002	Verify calendar switching to different month	User is in the calendar page and log in	1. Navigate to the calendar. 2. Click the "Next Month" button and observe the displayed month. 3. Repeat Step 2 for a few consecutive months. 4. Click the "Previous Month" button and observe the displayed month. 5. Test navigation across a year boundary (e.g., December to January).	Navigation controls work correctly, displaying events for the selected dates.	Navigation works and events were displayed.	Success



TC-SEARCH-001	Verify search button with valid date	The calendar is filled with events and user should be on the calendar page	1. Open the calendar page 2. Locate the search input field and the search button.3. Enter a valid search query, such as a specific date or a range (e.g., 01-01-2025").4. Click on the "Search" button.	The calendar should update to display only the events or dates that match the search query.	The calendar displayed the search query.	Success
TC-SEARCH-002	Verify search button with invalid date	The calendar is filled with events and user should be on the calendar page	1. Open the calendar page 2. Locate the search input field and the search button. 3.Enter an invalid query, such as "ABC123" a non-date. 4. Click on the "Search" button.	An error message should appear indicating no events or results found, such as "No events found for your query."	The calendar displaythe error message.	Success
TC-SEARCH-003	Verify search button with valid event date range	The calendar is filled with events and user should be on the calendar page	1. Open the calendar page 2. Locate the search input field and the search button.3. Enter a date range query (e.g., "January 2025") in the search input field.4. Click on the "Search" button.	The calendar should display only the events within the specified date range (e.g., all events in January 2025).	The calendar did not display the search query.	Success
TC-SEARCH-004	Verify search button with valid event name	The calendar is filled with events and user should be on the calendar page	1. Open the calendar page 2. Locate the search input field and the search button.3. Enter a valid search query, such as a specific event (e.g., "Balik Sinta").4. Click on the "Search" button.	The calendar should display only the event(s) matching the name " Balik Sinta".	The calendar did display the search query.	Success
TC-SEARCH-005	Verify search button with invalid event name	The calendar is filled with events and user should be on the calendar page	1. Open the calendar page 2. Locate the search input field and the search button.3.Enter an invalid event name, such as "ABC123" (non-existent event).4. Click on the "Search" button.	An error message should appear, such as "No events found for your search criteria."	The calendar displayed the eroor message, no available infomration for the query.	Success
TC-SEARCH-006	Verify search button with partial event name	The calendar is filled with events and user should be on the calendar page	1. Open the calendar page 2. Locate the search input field and the search button.3.Enter a partial event name (e.g. Balik).4. Click on the "Search" button.	The calendar should display all the events with name "Balik".	The calendar displayed the search query.	Success
TC-ADDEVENT-001	Verify adding an event in the calendar	The user is log in and on the calendar page	1. Navigate to the calendar page 2. Locate and click the "Add Event" button. 3.In the event creation form, enter the following details: Event Name: Event Details: 4. Click the "Save" button to save the event.	The calendar should display a confirmation message for adding the event successful.	The calendar displayed a confirmation message for adding the event successful.	Success
TC-ADDEVENT-002	Verify adding an event in the calendar with missing event details	The user is log in and on the calendar page	1. Navigate to the calendar page 2. Locate and click the "Add Event" button. 3.In the event creation form, leave the required fields blank. 4. Click the "Save" button to save the event.	The system should prevent the event from being saved. Error messages should clearly state what is missing.	The system prevented the event from saving, the error message displayed too.	Success



TC-ADDEVENT-004	Verify adding an event with a long description	The user is log in and on the calendar page	<ol style="list-style-type: none"><li>1. Navigate to the calendar page</li><li>2. Locate and click the "Add Event" button.</li><li>3. In the event creation form, enter the following details: Event Name: Balik Sinta Event Description: Paste a long text (e.g., 500+ words).</li><li>4. Click the "Save" button to save the event.</li></ol>	The calendar should prevent the event being saved. Error message should display such as: "Description exceeds the maximum allowed character limit of 500	The calendar prevent the event from saving. The error message displayed.	Success
TC-ADDEVENT-004	Verify adding an event with a long description	The user is log in and on the calendar page	<ol style="list-style-type: none"><li>1. Navigate to the calendar page</li><li>2. Locate and click the "Add Event" button.</li><li>3. In the event creation form, enter the following details: Event Name: Balik Sinta Event Description: Paste a long text (e.g., 500+ words).</li><li>4. Click the "Save" button to save the event.</li></ol>	The calendar should prevent the event being saved. Error message should display such as: "Description exceeds the maximum allowed character limit of 500	The calendar did not prevent the event from saving. The error message did not displayed.	Failed
TC-VIEWEVENT-001	Verify viewing an event in the calendar	The user is log in and on the calendar page	<ol style="list-style-type: none"><li>1. Navigate to the calendar page</li><li>2. Locate and click the "View Event" button.</li><li>3. Locate the date "January 15, 2025" on the calendar</li><li>4. After clicking the event, the system should open a detailed view or modal displaying the event details.</li></ol>	Selected event should display and provide the complete details of the event.	Selected event displayed and provided the complete details of the event.	Success
TC-VIEWEVENT-002	View details of a specific event	The user is log in and on the calendar page	<ol style="list-style-type: none"><li>1. Navigate to the calendar page</li><li>2. Locate and click the "View Event" button.</li><li>3. Select an event on the calendar</li><li>4. Verify that the events details are showing.</li></ol>	Events should be displayed with the complete details of the event.	Events displayed the complete details of the event.	Success
TC-VIEWEVENT-003	Verify modifying an event	The user is log in and on the calendar page	<ol style="list-style-type: none"><li>1. Navigate to the calendar page</li><li>2. Locate and click the "View Event" button.</li><li>3. Select an event on to be modified the calendar.</li><li>4. Modify the selected event.</li><li>5. Click on "Update" or "Save" button to save any changes</li></ol>	Modified event should be updated and a display message should say that the modification is sucessful.	Modified event has been updated and confirmation message didplayed.	Success
TC-VIEWEVENT-004	Removing or deleting the personal event or task inputed	The user is log in and on the calendar page	<ol style="list-style-type: none"><li>1. Navigate to the calendar page</li><li>2. Locate and click the "View Event" button.</li><li>3. Select an event on to be removed or deleted on the calendar.</li><li>4. Click on "Delete" or "Remove" button to save any changes</li><li>5. Confirm removing the event to save any changes</li></ol>	Removed event should be updated and a display message should say that the deletion is sucessful.	Event has been removed together with confirmation message.	Success
TC-VIEWEVENT-005	Verify cancel delete action	The user is log in and on the calendar page	<ol style="list-style-type: none"><li>1. Navigate to the calendar page</li><li>2. Locate and click the "View Event" button.</li><li>3. Select an event on to be removed or deleted on the calendar.</li><li>4. Click on "Delete" or "Remove" button</li><li>5. Confirm if an option to cancel is available.</li></ol>	The event is not deleted, and it remains in the event list.	The event is not deleted, an option to cancel deletion is available.	Success
TC-ADDNOTE-001	Add Note with Proper Details	The user should have successfully logged in and be able to access the add notes	<ol style="list-style-type: none"><li>1.Go to the Calendar page.</li><li>2.Click the "Add Note" button to open the "Add Note" window</li><li>3.Enter the title "This is my notes" in the Note Title field</li><li>4.Enter the content "The list to do" in the Note Content field.</li><li>5.Click the "Add Note" button</li></ol>	The note is added sucessfully with the specified title and content. It should now be visible in the notes list.	Note added sucessfully and become visible in the note lists.	Success


**ITIQUES**

TC-ADDNOTE-002	Add Note with Special Characters in Title and Content	The user should have successfully logged in and be able to access the add notes	1.Go to the Calendar page. 2.Find and click the "add notes" button. 3.Enter the title " <b>*This is my notes*</b> " 4.Enter the content: "Content with special characters@ " 5.Click the "Add Note" button	The note is successfully added with special characters in the title and the given content	Note added sucessfully with special characters in title and given content.	Success
TC-ADDNOTE-003	Add Note with Empty Title	The user should have successfully logged in and be able to access the add notes	1.Go to the Calendar page. 2.Click the "Add Note" button to open the "Add Note" window 3.Leave the "Note Title" field empty 4.Enter the content: "This note has no title." 5.Click the "Add Note" button	An error message is displayed indicating that the "Note Title" field cannot be empty	The error message displayed and the calendar did not accept.	Success
TC-VIEWNOTE-001	View Single Note	The user is on the Notes page with at least one existing note.	1.Go to the Calendar Page 2.Locate and click the "View notes" button 3.Click on an existing note " <b>*This is my notes*</b> "	The selected note is displayed with its title and content	Selected note is displayed with its content and title	Success
TC-VIEWNOTE-002	View Note List	The user is on the Notes page with multiple existing notes	1.Go to the Calendar Page 2.Locate and click the "View notes" button 3.Scroll through the list of notes.	All notes are displayed in a list, showing their titles and content	All notes are displayed in a list, showing their titles and content	Success
TC-VIEWNOTE-003	Delete Single Note	The user is on the Notes page with at least one existing note	1. Go to the Calendar Page. 2.Locate and click the "View Notes" button 3. Click on an existing note (e.g., "Meeting Notes") 4. Click the "Delete Note" button	The selected note is successfully deleted from the notes list	The selected note was deleted from the notes list	Success
TC-VIEWNOTE-004	Cancel Delete Action	The user is on the Notes page with at least one existing note	1. Go to the Calendar Page. 2.Locate and click the "View Notes" button 3. Click on an existing note (e.g., "Meeting Notes") 4. Click the "Delete Note" button 5. When prompted to confirm the deletion, click "Cancel"	The note is not deleted, and it remains in the notes list	The event is not deleted, an option to cancel deletion is available.	Success
TC-LOGOUT-001	Verify log out functionality	The user is log in and on the calendar page	1. Go to the Calendar Page 2.Click the "Sign Out" button.	The user should be successfully signed out and redirected to the login page	The log out button signed out the user	Success
TC-LOGOUT-002	Verify log out visibility	The user is log in and on the calendar page	1. Go to the Calendar Page 2. Navigate through different section 3. Verify if the "Sign Out" button is showing.	The calendar shoud successfully log out the user.	The calendar successfully log out the user.	Success
TC-LOGOUT-003	Verify log out confirmation	The user is log in and on the calendar page	1. Log in 2. Click the "Sign Out" button 3. Check if confirmation prompt is displayed	A confirmation message is displayed, asking the user to verify the sign-out request	The confirmation message displayed.	Success
TC-LOGOUT-004	Verify log out on idle session time out	The user is log in	1. Go to the Calendar Page 2. Leave the session for a certain period of time. 3. Attempt to interact with the application after the timeout.	The session should be terminated, and the user should be redirected to the login page.	The session did not terminate and did not redirect the user.	Failed



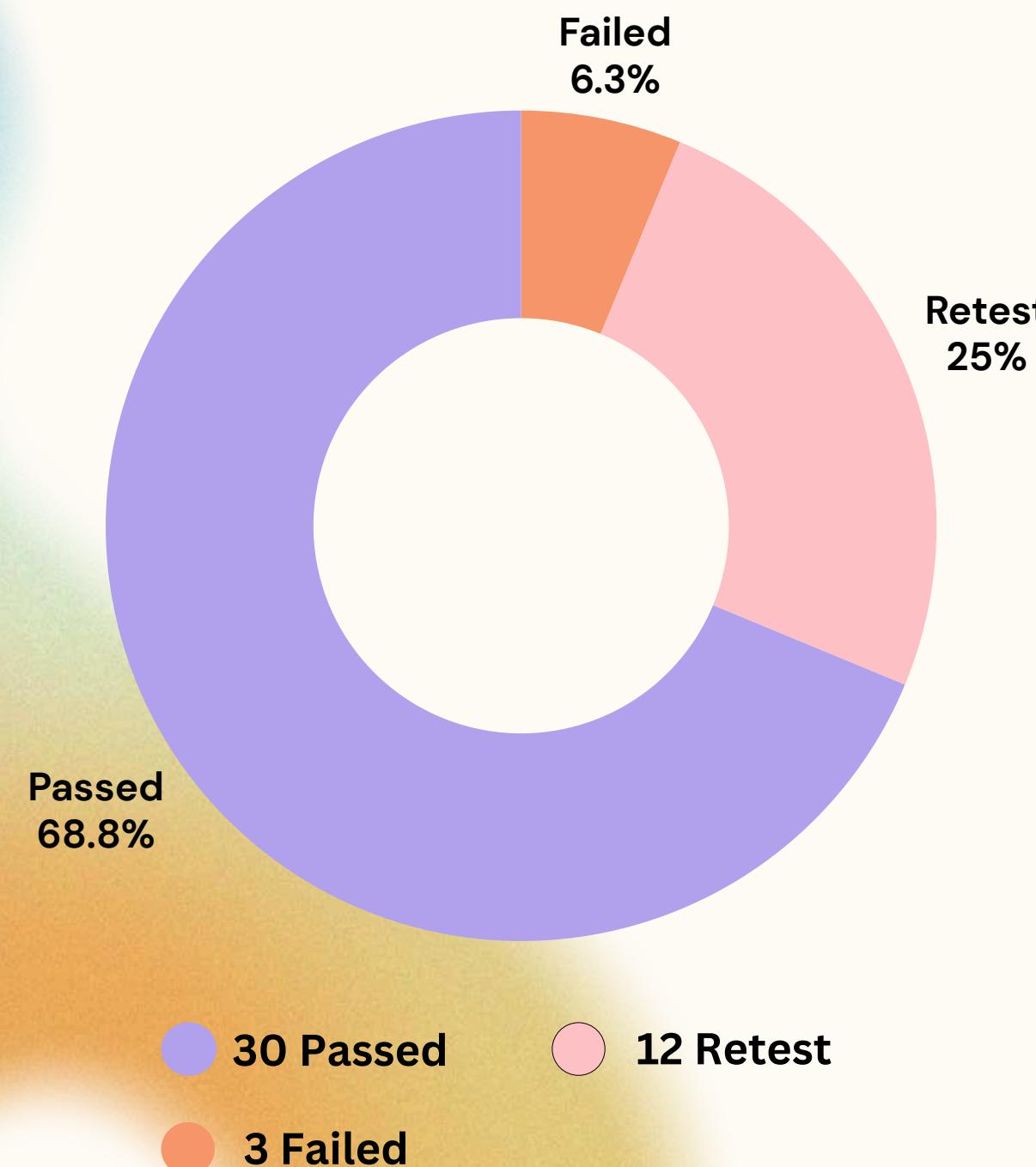
# Test Results

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Web Calendar Application



## Test Results



With total of **33 test cases**,

**Passed (68.8%)**: The majority of the test cases passed successfully, indicating that the system is functioning correctly for most scenarios.

**Retest (25%)**: A significant portion of the test cases require retesting, suggesting some issues or uncertainties that need resolution before final approval.

**Failed (6.3%)**: A small percentage of test cases failed, highlighting areas that need immediate attention to address defects.



	Goals 1	Test Case 1	Test Case 2	Test Case 3	Version
Release 1	<ul style="list-style-type: none"><li>1. Log in</li><li>2. Search feature</li><li>3. Add Event feature</li><li>4. View Event feature</li><li>5. Add Note feature</li><li>6. View Note feature</li><li>7. Log out</li></ul>	22/33 66%	29/33 87%	30/33 90%	1.3



# Test Results

	Test Case 1	Test Case 2	Test Case 3	Percentile	Version			
Regression Test 1	Pass 17	Fail 3	Pass 18	Fail 2	Fail 18	88%	1.3.1	
Regression Test 2	18	2	18	2	18	2	90%	1.3.2

## Regression Testing:

The percentile increased from 88% (Version 1.3.1) to 90% (Version 1.3.2), reflecting better stability and reliability. Out of the two regression testing, the overall success rate become 90%, indicating a high level of reliability for the regression tests.



# Screenshots

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Web Calendar Application



Log in page

The image shows the home page of the Polytechnic University Of the Philippines Student Calendar (PolyCal). At the top, there is a navigation bar with the PolyCal logo, a search bar, the date "07:29:24 AM", and a "Sign Out" button. The main content area features a user profile box for "Cristian Esplana" with a blue cartoon icon, showing his ID and program information. Below this is a monthly calendar for January 2025. The days of the week are labeled from Monday to Sunday. Specific dates are highlighted in different colors: Saturday the 13th is green, Sunday the 14th is light blue, Saturday the 20th is orange, Sunday the 21st is light blue, Saturday the 27th is orange, and Sunday the 28th is light blue. Other days are shown in grey. At the bottom, a red footer bar displays the text "Today's Date: January 18, 2025".

Calendar page

# ITIQUES

The image displays a user interface for a calendar application, likely named PolyCal, featuring several windows and panels:

- Add Event Window:** A modal window titled "Add Event" is open, prompting the user to enter an "Event Title" and "Event Description". It includes a file input field for "Upload Image" (showing "No image selected") and two action buttons: "Add Event" and "Close". Below the main input fields are "Add Notes" and "View Notes" buttons.
- Search Panel:** A horizontal bar at the top contains a "Search" input field, the current time "07:30:32 AM", and a "Sign Out" button.
- Calendar View:** The main area shows a monthly calendar for January 2025. Specific dates are highlighted in various colors: January 1st is orange, January 13th is green, January 21st is light blue, and January 25th is grey. The days of the week are labeled from Monday to Sunday.
- User Profile:** A sidebar on the left displays a user icon and the message "Welcome, Cristian Esplana!". It also shows the ID "ID: 2024-00253-PQ-0" and the program "Program: BSIT 1-2". Below this are four buttons: "Add Event", "View Events", "Add Notes", and "View Notes".
- Event Details Window:** A modal window titled "Event Details" is open, showing the event "NEW YEAR'S DAY 2025" on "2025-01-01". The description states: "January 1st When is New Year's Day 2025? In 2025, New Year's Day will be celebrated on Wednesday, January 1st, as always marking the beginning of a new year on the Gregorian calendar." It includes a large image of gold balloons and the year 2025, and buttons for "Save Description", "Delete Event", "Add Event", "View Events", "Add Notes", and "View Notes".
- Search Results Window:** A modal window titled "Search Results" lists two events:
  - Event: NEW YEARS DAY 2025** (Date: 1/1/25) with a description "happy" and a colorful gradient background image.
  - Event: NEW YEAR'S DAY 2025** (Date: 2025-01-01) with a description "Description:" and a grey placeholder image.
- Right Sidebar:** A vertical sidebar on the right shows a weekly calendar view for January 2025, with specific dates 4, 11, 18, and 25 highlighted in grey.

Application features



# ITIQUES

The image shows the PolyCal software interface. At the top, there's a red header bar with the PolyCal logo, a search bar, the time (07:31:20 AM), and a "Sign Out" button. Below the header is a yellow monthly calendar for January 2025. A "Sign Out" dialog box is overlaid on the calendar, asking "Are you sure you want to sign out?" with "Yes" and "No" buttons. To the left of the calendar is a sidebar with a user profile picture, the name "Welcome, Cristian Esplana!", and buttons for "Add Event", "View Events", "Add Notes", and "View Notes". Below the sidebar is a red footer bar with the text "Today's Date: January 18, 2025". On the right side of the main window, there's a large banner for the Polytechnic University Of the Philippines (PUP) featuring a group of students. In the bottom right corner of the banner, there's another smaller "PolyCal" dialog box saying "Thank you for using PolyCal!" with an "OK" button.

The image shows the PUP Student Calendar login page. It features the PUP logo and the text "PUP Student Calendar". There is a "Sign in to your session" link, a "PUP Student ID" input field, and a "Login" button. The background of the page has a yellow and white dotted pattern.

Log out page



# Summary and Conclusion

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Web Calendar Application



# Summary

## POLYCAL

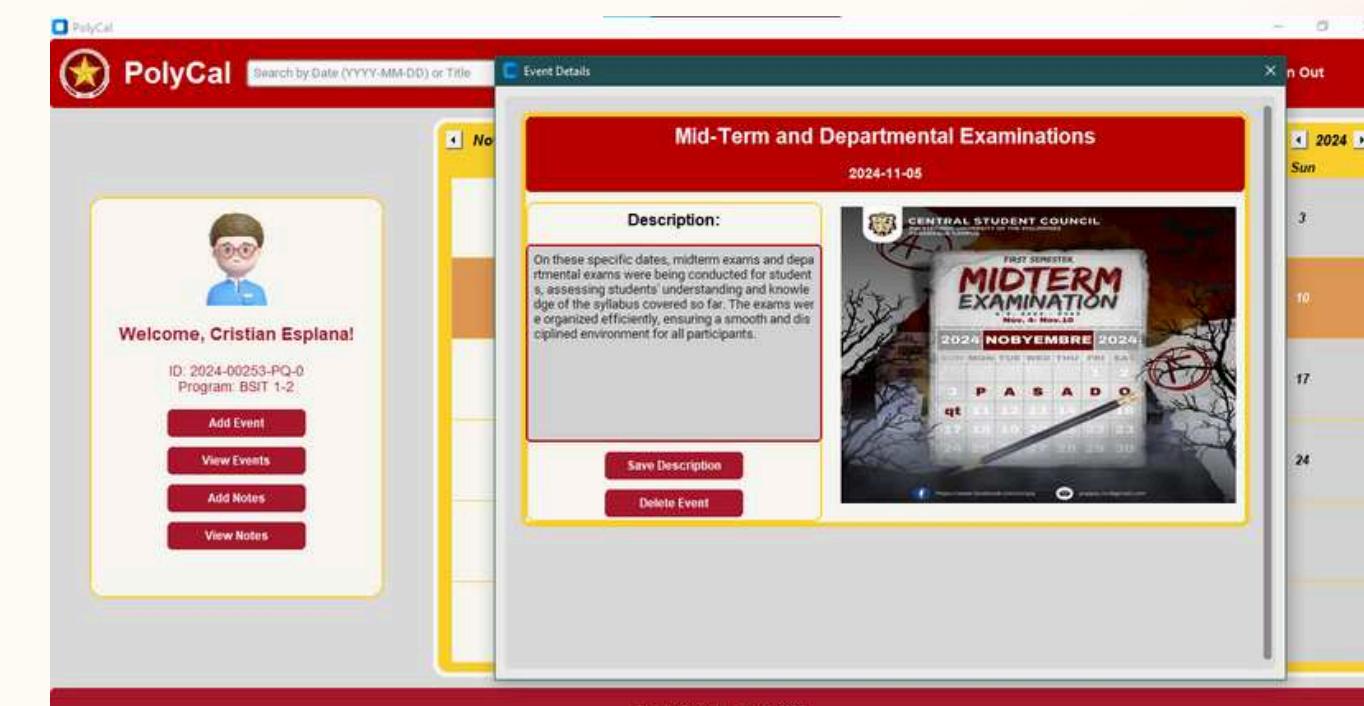
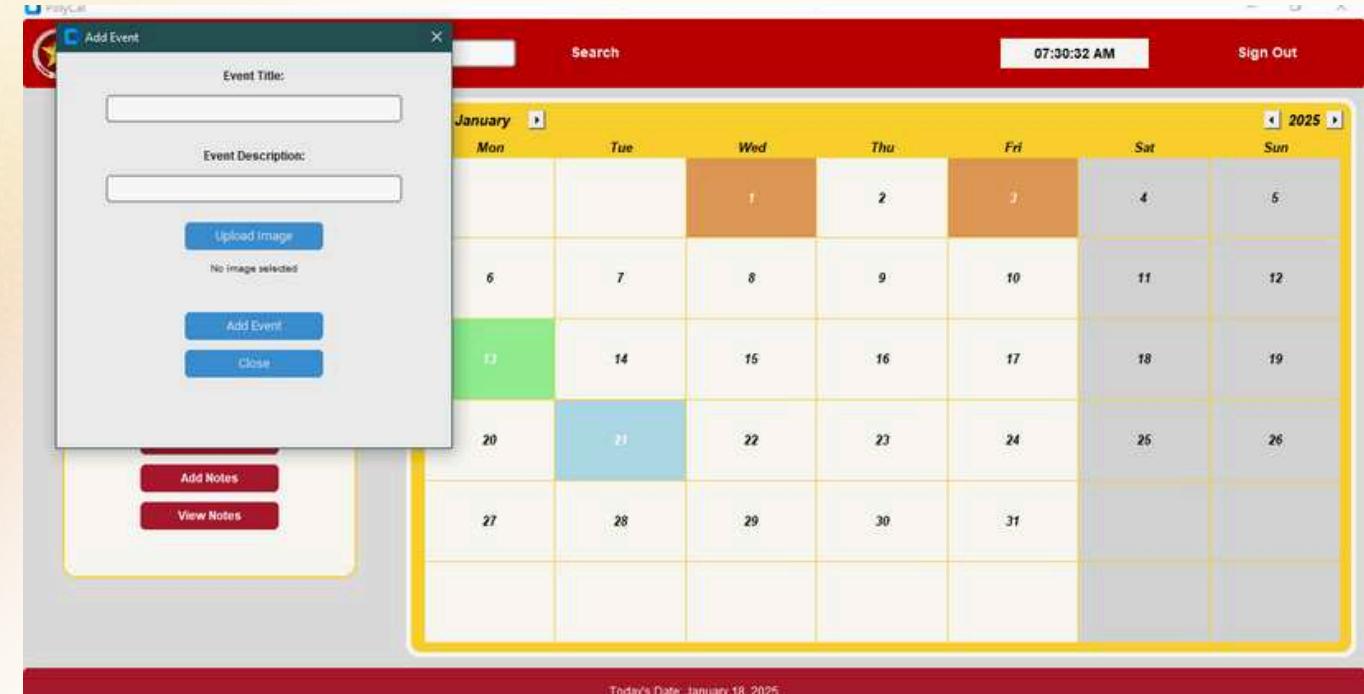
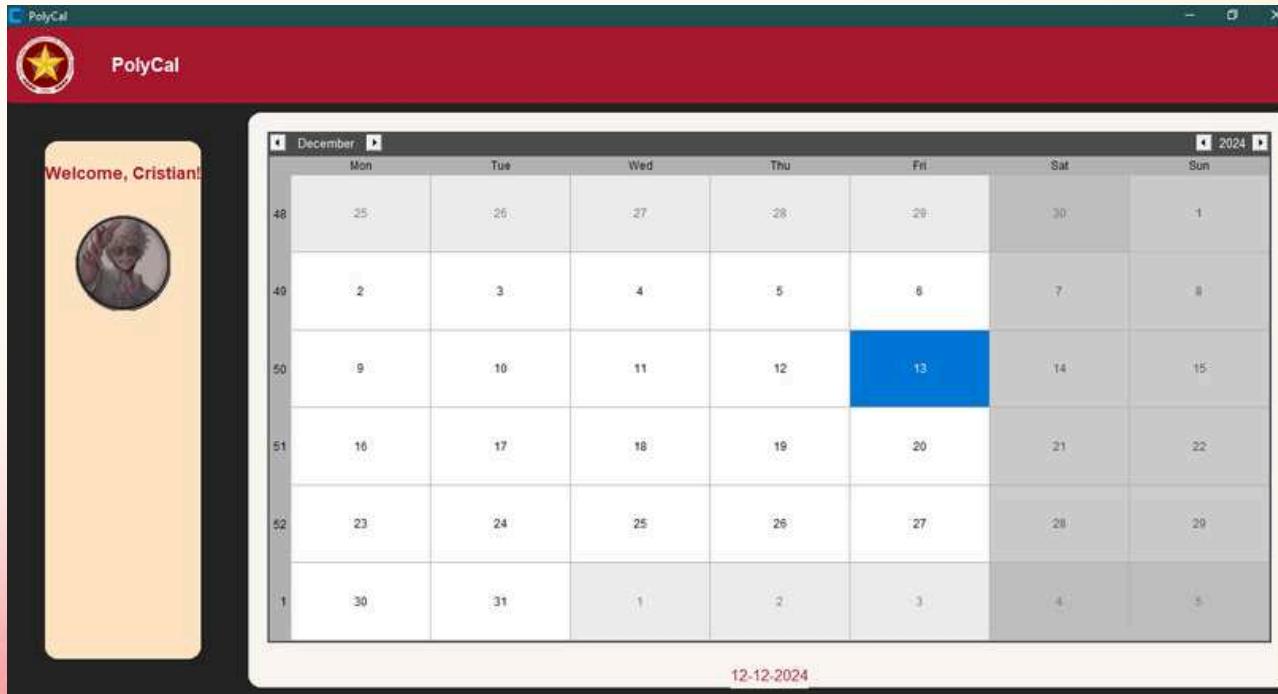
**PolyCal** is a dedicated web-based offline calendar app designed for our fellow students from Polytechnic University of the Philippines – Parañaque Campus.



A screenshot of the PolyCal application's dashboard. The top navigation bar includes the "PolyCal" logo, a search bar, and a "Sign Out" link. The main content area shows a user profile for "Cristian Esplana" with ID 2024-00253-PQ-0 and Program BSIT 1-2, along with buttons for "Add Event", "View Events", "Add Notes", and "View Notes". To the right is a monthly calendar for January 2025, showing days from Monday to Sunday. Specific dates are highlighted in different colors: Saturday the 13th is green, Sunday the 14th is light blue, Saturday the 20th is light green, Sunday the 21st is light blue, Saturday the 27th is light green, and Sunday the 28th is light blue. Other days are represented by standard grey boxes.



# Conclusion



**"We may have problems along the way, but with determination, there's no challenge we can't overcome"**



# Demo

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Web Calendar Application



**Thank you!**