Trip Planning Dashboard

User Story 1: Create a Trip

As a user, I should be able to create a trip with details so that I can plan my travel with friends.

Acceptance Test – Create a New Trip

Assumptions:

- A valid user account exists, and the user is logged in and on the dashboard.

Steps:

1. Navigate to the “Create Trip” page by clicking the “+ Create Trip” button.
2. Verify that the trip creation page has a three-step form titled “Enter Your Trip Details” with text on the side: “✈️ Create Your Perfect Trip.”
3. Fill in all required fields:
    - **Step 1:** Enter trip name, destination, click “Next.”
    - **Step 2:** Enter start date, end date, set budget, click “Next.”
    - **Step 3:** Review trip details and click “Finish.”
4. Verify that the user is redirected to the **Trip Summary** page and check that trip details are correct.
5. Navigate back to the **Dashboard** using:
    - The “Hamburger Icon” menu → Click “Dashboard.”
    - Click “Vamoose!” on the navbar.
6. Confirm that the new trip appears in the list with the correct details.

Expected Outcome:

- The trip is successfully created.
- All entered details are correctly saved and displayed on both the **Dashboard** and **Trip Summary** page.

User Story 2: Edit Trip Details

As a user, I should be able to edit trip details (name, dates, location) so that I can update any changes.

Acceptance Test – Edit Trip Details

Assumptions:

- The user is the **Creator or Admin** of the trip and is logged in.
- The trip already exists and is an **upcoming trip**.
- The user is on the dashboard

Steps:

1. Click the “Edit” button on the trip card or Navigate to the **Trip Summary** page by clicking the **“View Trip”** button from the dashboard and then “Edit” button.
2. Verify that the user is redirected to the **Trip Summary** page if clicked from dashboard, and trip details are editable.
3. Modify the trip details (change the trip name, update dates or location, set a new budget).
4. Click the “Save” button.
5. Verify that a success message appears stating **“Trip details updated successfully!”**
6. Verify that the updated details are reflected on both the **Trip Summary** page and **Dashboard**.

Expected Outcome:

- **Only upcoming trips** can be edited.
- **Members should not see the “Edit Trip” button.**

User Story 3: View Trip Summary

As a user, I should be able to see a summary of all my upcoming and past trips so that I can keep track of my travel history.

Acceptance Test – View Trip Summary

Assumptions:

- The user is logged in and on the **Dashboard**.
- The user has multiple trips (**upcoming, past, and current**) already created.

Steps:

1. Observe that trips appear in the correct sections (**Upcoming, Past, and Current**) based on the start and end dates.
2. Verify that each trip’s key details (**name, dates, location**) are correctly displayed.
3. Click on an **Upcoming Trip** and confirm that the user is redirected to the **Trip Summary** page.
4. Verify that you see the details of the trip on the summary page

Expected Outcome:

- The **Dashboard** correctly categorizes **Upcoming, Current, and Past Trips**.

User Story 4: Delete a Trip

As a user, I should be able to delete a trip if plans get canceled so that I can remove it from my dashboard.

Acceptance Test – Delete a Trip

Assumptions:

- The user is logged in and is the **Creator** of the trip.
- The trip already exists.
- The user is on the dashboard

Steps:

1. Click the “Delete” button on the trip card and confirm deletion or Navigate to the **Trip Summary** page by clicking the **“View Trip”** button from the dashboard and then “Delete” button.
2. Verify that a confirmation message appears stating **“Trip has been successfully deleted!”**
3. Check that the trip is **no longer visible on the Dashboard.**

Expected Outcome:

- **Admins and Members should not see the “Delete Trip” button** (instead, they see “Leave Trip”).

Trip Member Management

User Story 1: Invite Others to Join a Trip

As a user, I should be able to invite others to join my trip so that we can collaborate on planning.

Acceptance Test – Invite a User to a Trip

Assumptions:

- The user is the **Creator or Admin** of the trip and is logged in.

- The trip already exists.
- The user is on the dashboard

Steps:

1. Navigate to the **Trip Summary** page by clicking the **“View Trip”** button on the trip card.
2. Click the **“Invite More Explorers”** button from the overview under **Travel Squad** or go to the **Members** tab and click **“Invite More Explorers”**
3. Enter the invitee’s email address.
4. Click **“Create Invite.”**
5. Verify that a confirmation message appears stating: **“Share this link with the explorer.”**
6. Copy the invite link.
7. Open a new browser session and paste the invite link.
8. Verify that an invite page appears with **basic trip details** and prompts the user to log in/signup.

Expected Outcome:

- Invitations are created successfully.
- **Regular members should not see the “Invite More Explorers” button.**

User Story 2: Accept or Reject a Trip Invitation

As a user, I should be able to accept or reject a trip invitation so that I can choose whether to join the trip.

Acceptance Test – Accept or Reject an Invitation

Assumptions:

- The invite link has been shared with the invitee.
- Valid user accounts exist
- User is not logged in

Steps:

1. Open a new browser session and paste the invite link.
2. Verify that an invite page appears with **basic trip details** and prompts the user to log in/signup.
3. **Security Check:** Log in with an email that does **not** match the invitee email.
    - **Expected message: “Oops! This invite is for [email]. Please log in/signup with that email.”**

    - A button appears: **“Login/Signup To Join”** (should log out the user and redirect to login/sign up page).
4. Log in with the **correct invitee email.**
5. Verify that extra invite details (budget, members, description) appear with **“ACCEPT”** and **“REJECT”** buttons.
6. Click **“ACCEPT”** → Verify confirmation message **“Invite accepted successfully!”** and redirection to the **Trip Summary** page.
7. Verify that the new user appears in the **Members** section.
8. Click **“REJECT”** → Verify confirmation message **“Invite rejected successfully!”** and redirection to the **Dashboard.**
9. Verify that the invitation no longer appears by re-accessing the invite link.
10. Alternatively, log in as the invited user and check if the invitation appears in their notifications.

Expected Outcome:

- Users can accept/reject invites and are redirected accordingly.
- The invite link is valid only for the intended invitee.
- Rejected/Accepted invitations cannot be accessed again.

User Story 3: Remove a Trip Member

As an admin or trip creator, I should be able to remove a member from a trip if needed.

Acceptance Test – Remove a Trip Member

Assumptions:

- The trip has at least one member.
- The user is the **Creator or Admin** of the trip and is logged in.
- The user is on the **Dashboard**.

Steps:

1. Navigate to the **Trip Summary** page by clicking the **“View Trip”** button from the **Dashboard**.
2. Click on the **“Members”** tab at the top of the page.
3. Locate the member to be removed and click the **“Delete”** button on their member card.
4. Confirm the removal in the **confirmation dialog**.
5. Verify that a success message appears stating **“Member(s) removed successfully!”**
6. Verify that the **removed user no longer appears** in the **Members** list.

7. Log in as the **removed user**.
8. Verify that the **trip no longer appears** on their **Dashboard**.

Expected Outcome:

- The selected user is **successfully removed** from the trip.
- **Regular members should not see the "Remove" button.**

User Story 4: Leave a Trip

As a user, I should be able to leave a trip if I no longer want to participate.

Acceptance Test – Leave a Trip

Assumptions:

- The user is a trip **member or admin**, but **not the trip creator** and is logged in.
- The user is on the **Dashboard**.

Steps:

1. Click the **"Leave Trip"** button on the **trip card or** navigate to the **Trip Summary** page by clicking the **"View Trip"** button from the **Dashboard**.
2. Click the **"Leave Trip"** button.
3. Confirm the action in the **confirmation dialog**.
4. Verify that a confirmation message appears stating **"Successfully left the trip!"**
5. Ensure that the user **no longer has access** to trip details and is redirected to the **Dashboard** if they were on the **Trip Summary** page.
6. Verify that the **trip no longer appears** on the **Dashboard**.

Expected Outcome:

- The user is **removed from the trip**.
- **Creators should not see the "Leave Trip" button.**
- **Creators cannot leave their own trip** (they must delete it instead).

User Story 5: Promote or Demote a Member

As a Creator or Admin, I should be able to promote a Member to Admin or demote an Admin to a Member so that I can manage trip roles.

Acceptance Test – Update a Member's Role

Assumptions:

- The user is the **Creator or an Admin** and is logged in.
- The user is on the **Trip Summary** page under the **Members** tab.
- The member being updated is **a Member (not an Admin or Creator).**
- The trip has at least one member and one admin.

Steps:

1. Click the **"Members"** tab on the **Trip Summary** page.
2. Locate the member's **profile card**.
3. Click the **"Edit"** button on their card.
4. Verify that the option **"Promote to Admin"** appears.
5. Click **"Promote to Admin"** and confirm the action in the **confirmation dialog**.
6. Verify that a success message appears: **"[Member Name]'s role has been updated to ADMIN."**
7. Confirm that the updated role is reflected on the member's profile card**.**
8. Click the **"Edit"** button again and verify that the option **"Demote to Member"** appears.
9. Click **"Demote to Member"** and confirm the action in the **confirmation dialog**.
10. Verify that a success message appears: **"[Member Name]'s role has been updated to MEMBER."**
11. Confirm that the role change is reflected on the member's profile card.

Edge Case – Admin Cannot Demote Another Admin

1. Log in as an **Admin** and navigate to the **Trip Summary** page.
2. Click the **"Members"** tab.
3. Verify that the edit icon does not appear on another **Admin's** profile card.

Expected Outcome:

- **Creators and Admins can promote Members to Admin.**
- **Only Creators can demote Admins back to Members.**
- **Admins cannot demote other Admins should not see the edit button on there cards.**
- **Regular Members should not see the edit button.**

Group Expense Tracking & Cost Splitting

User Story 1: Add an Expense

As a user, I should be able to add an expense to the trip so that I can track shared costs.

Acceptance Test – Add a New Expense

Assumptions:

- A valid user account exists, and the user is logged in.
- The user is a trip member and has access to the **Expenses** tab.

Steps:

1. Navigate to the **Expenses** tab of the trip.
2. Click on the "+ Add Expense" button.
3. Verify that the "Add New Expense" form appears with fields: **Amount, Category, Description, Paid By**.
4. Enter a valid amount (greater than 0).
5. Select a category from the dropdown.
6. Enter an optional description.
7. Select a payer from the "Paid By" dropdown.
8. Click the "Add Expense" button.
9. Verify that a success message appears: **"Successfully added Expense!"**
10. Verify that the newly added expense appears in the list with the correct details.
11. Verify that the **budget ring updates** to reflect the expense breakdown.

Expected Outcome:

- The expense is successfully created and displayed in the expenses list.
- The budget ring updates correctly.

User Story 2: Delete an Expense

As a user, I should be able to delete an expense so that I can remove incorrect or unnecessary entries.

Acceptance Test – Delete an Expense

Assumptions:

- The user is logged in and is **part of the split** for the expense.
- The expense exists in the trip.

Steps:

1. Navigate to the **Expenses** tab.

2. Identify an expense that the user is involved in.
3. Click the **delete (trash) icon** on the expense.
4. Confirm the deletion when prompted.
5. Verify that a success message appears: **"Expense(s) deleted successfully!"**
6. Verify that the expense is removed from the list.
7. Verify that the **budget ring updates** to reflect the removal.
8. Verify that debt calculations update accordingly.

Expected Outcome:

- The expense is deleted successfully.
- The budget ring and debt calculations update accordingly.
- Users cannot delete expenses they are not involved in.

Acceptance Test – Delete Multiple Expenses

Assumptions:

- The user is logged in and is **part of the split** for the selected expenses.
- Multiple expenses exist in the trip.

Steps:

1. Navigate to the **Expenses** tab.
2. Check the checkboxes next to multiple expenses.
3. Click the **delete (trash) button** that appears for bulk deletion.
4. Confirm the deletion when prompted.
5. Verify that a success message appears: **"Expense(s) deleted successfully!"**
6. Verify that the selected expenses are removed from the list.
7. Verify that the **budget ring updates** to reflect the removals.
8. Verify that debt calculations update accordingly.

Expected Outcome:

- The selected expenses are deleted successfully.
- The budget ring and debt calculations update accordingly.
- Users cannot delete expenses they are not involved in.

User Story 3: View Expense Breakdown

As a user, I should be able to view a breakdown of expenses so that I can see how costs are distributed.

Acceptance Test – View Expense Breakdown

Assumptions:

- The user is logged in and on the **Expenses** tab.
- Expenses have been added to the trip.

Steps:

1. Navigate to the **Expenses** tab.
2. Verify that all expenses are listed with **amount, category, payer, and description**.
3. Hover over the **budget ring** to see the expense breakdown by category.

Expected Outcome:

- Users can see all expenses and details clearly.
- The budget ring visually reflects the breakdown.

User Story 4: View and Settle Debts

As a user, I should be able to track and settle debts so that I can ensure fair cost-sharing.

Acceptance Test – View Outstanding Debts

Assumptions:

- The user is logged in and on the **Expenses** tab.
- Expenses have been split among multiple members.

Steps:

1. Navigate to the **Expense Debts** tab.
2. Verify that each user's debt is displayed correctly.
3. Click on an expense debt card for a user
4. After the card expands click "Show Details" on a debt entry.
5. Verify that a modal opens to show individual transactions contributing to the total debt.

Expected Outcome:

- Users can see a detailed breakdown of who owes whom.

Acceptance Test – Settle a Single Expense

Assumptions:

- The user is logged in and is the **debtor or creditor**.
- The user has outstanding transactions.

Steps:

1. Navigate to the **Expense Debts** tab.
2. Click on an expense debt card for a user
3. Click "Show Details" on a specific debt entry.
4. Click the **checkmark icon** to mark an individual transaction as settled.
5. Confirm the settlement when prompted.
6. Verify that a success message appears: **"expenses settled successfully!"**
7. Verify that the debt total updates accordingly.

Expected Outcome:

- The selected transaction is marked as settled.
- The remaining balance updates accordingly.

Acceptance Test – Settle All Expenses

Assumptions:

- The user is logged in and is the **debtor or creditor**.
- The user has multiple outstanding transactions.

Steps:

1. Navigate to the **Expense Debts** tab.
2. Click on an expense debt card for a user
3. Click the **Settle** button.
4. Confirm the settlement when prompted.
5. Verify that a success message appears: **"expenses settled successfully!"**
6. Verify that all outstanding transactions for that creditor are marked as settled.
7. Verify that the total amount owed updates accordingly.
8. Verify that once all expenses are settled, the user no longer appears in the **Expense Debts** tab.

Expected Outcome:

- All outstanding transactions are marked as settled.
- The total debt is updated to reflect the settlements.
- The **Settle** button is only visible to debtors and creditors.
- If all expenses are settled, the user is no longer listed in the **Expense Debts** tab.

User Story 5: Filter Expenses

As a user, I should be able to filter expenses so that I can quickly find specific transactions.

Acceptance Test – Filter by Category

Assumptions:

- Multiple expenses exist with different categories.

Steps:

1. Navigate to the **Expenses** tab.
2. Click the **Category** filter dropdown.
3. Select a category.
4. Verify that only expenses of that category are displayed.

Expected Outcome:

- The list updates to show only expenses in the selected category.

Acceptance Test – Filter by Payer

Assumptions:

- Multiple expenses exist with different payers.

Steps:

1. Navigate to the **Expenses** tab.
2. Click the **Paid By** filter dropdown.
3. Select a payer.
4. Verify that only expenses paid by that user are displayed.

Expected Outcome:

- The list updates to show only expenses paid by the selected user.

Interactive Map & Location Sharing

User Story 1: Pin Locations

As a user, I should be able to pin locations (hotels, attractions, restaurants) so that my group knows key places in our trip.

Acceptance Test – Pin a Location

Assumptions:

- The user is **logged in** and on the **Trip Summary Page**.
- The **Maps** tab is accessible in the navigation bar.
- The **Search Bar** is used to find a specific address.
- The **Filter by** buttons help find **nearby** places like restaurants, hotels, etc.
- The **"Save Pin"** button is implemented and visible in the location details card.

Steps:

1. Click the **Maps** tab in the navigation bar.
2. In the **Search Bar**, enter an address (e.g., "3120 Portage Ave, Winnipeg") and select a result.
3. Verify that the **map moves to the searched address** and a **marker appears**.
4. Use the **Filter by** buttons to filter nearby locations (Hotels, Food & Drink, Shopping, etc.).
5. Click on a **filtered location marker** (e.g., a restaurant).
6. Verify that a **location details card** appears with:
    - Name
    - Address
    - “Search on Google” link
    - **(Upcoming Feature)** "Save Pin" button
7. Click **"Save Pin"**.
8. Verify that:
    - A **confirmation message** appears (e.g., "Location pinned successfully").
    - A **marker appears on the shared map** at the pinned location.
    - The location remains visible after **reloading the page**.
    - Other trip members can **see the pinned location**.

Expected Outcome:

- The **searched address** appears with a marker.
- **Filtered locations** are correctly displayed.
- A pinned location remains on the **shared map** for all trip members.
- Pinned locations persist across sessions.

User Story 2: View Pinned Locations on Shared Map

As a user, I should be able to see all pinned locations on a shared map so that I can navigate easily.

Acceptance Test – View Shared Pinned Locations

Assumptions:

- The user is **on the Trip Summary Page**.
- The trip has **multiple pinned locations**.

Steps:

1. Click the **Maps** tab in the navigation bar.
2. Verify that all **previously pinned locations** appear as markers on the map.
3. Click on a pinned location marker.
4. Verify that a **location details card** appears with:
    - Location Name
    - Address
    - **(Upcoming Feature)** "Remove Pin" button.

Expected Outcome:

- The **pinned locations** are correctly displayed.
- Clicking a pin **shows accurate details**.
- The **map updates dynamically** as locations are added.

User Story 3: Share/Disable Live Location Sharing

As a user, I should be able to share my live location with the group so that they can track my position and disable it to control my privacy.

Acceptance Test – Toggle Live Location Sharing

Assumptions:

- The user is **on the Trip Summary Page**.
- The **map interface** includes a **Live Location Toggle** option.
- Other trip members are **online and can see location updates**.

Steps:

1. Click the **Maps** tab in the navigation bar.
2. Click the **Live Location Toggle** to enable sharing.
3. Verify that a **blinking live location icon** appears on the map.
4. Log into **another user's account** and check if the **live location** is visible.
5. Click the **Live Location Toggle** again to disable sharing.
6. Verify that:
    - The **blinking icon disappears**.
    - Other users can **no longer see the live location**.

Expected Outcome:

- Users can toggle **live location sharing** on/off.
- The UI updates **correctly** when sharing is enabled or disabled.
- Other users **only see live locations** when sharing is enabled.

User Story 4: Search for Nearby Places and Get Directions

As a user, I should be able to search for nearby places (hotels, restaurants, landmarks) and get directions to any pinned location so that I can navigate easily.

Acceptance Test – Search and Directions

Assumptions:

- The user is **on the Trip Summary Page**.
- The **Search Bar** is used to find a **specific address**.
- The **Filter by** buttons help find **nearby** places like restaurants, hotels, etc.
- The **map interface** supports a **directions feature**.

Steps:

1. Click the **Maps** tab in the navigation bar.
2. In the **Search Bar**, enter an address (e.g., "500 Portage Ave, Winnipeg") and select a result.
3. Verify that the **map moves to the searched address** and a **marker appears**.
4. Use the **Filter by** buttons to select categories like:
   - Hotels
   - Food & Drink
   - Coffee Shops
   - Shopping
   - Gas Stations
5. Verify that **icons for nearby places** appear on the map.
6. Click on a **filtered location marker** (e.g., a restaurant).
7. Verify that a **location details card** appears with:
   - Name
   - Address
   - "Search on Google" link
   - **(Upcoming Feature)** "Get Directions" button
8. Click **"Get Directions"**.
9. Verify that:

    - A **route appears on the map**.
    - **Estimated travel time** is displayed.
    - The user can switch between **walking, driving, or transit modes**.

Expected Outcome:

- The **searched address** appears with a marker.
- Nearby locations **are correctly filtered and displayed**.
- The **directions feature** provides an **accurate route and travel time**.

Real-Time Chat

User Story 1: Open Chat and Select a Trip

As a user, I should be able to open the chat panel and select a trip to view or send messages.

Acceptance Test – Open Chat and Select Trip

Assumptions:

- The user is logged in and on any page within the app.
- The user has at least one active trip.

Steps:

1. Click on the chat bubble icon in the bottom right corner of the screen.
2. Verify that the chat panel opens with a message "Select a trip to view messages."
3. Click on the three-bar menu button in the chat panel.
4. Verify that a dropdown list of trips the user is a part of is displayed.
5. Click on a trip name from the list.
6. Verify that the chat panel updates to show messages for the selected trip.

Expected Outcome:

- The chat panel opens correctly.
- The user sees a list of trips they are a part of.
- Selecting a trip updates the chat panel to display messages for that trip.

User Story 2: Send Messages in the Group Chat

As a user, I should be able to send messages in the group chat so that I can discuss trip details with my friends.

Acceptance Test – Send Chat Message

Assumptions:

- The user has selected a trip in the chat panel.
- The chat input box is available.

Steps:

1. Click on the text box labeled "Type your message..." in the chat panel.
2. Enter a message (e.g., "Looking forward to the trip!").
3. Click the send button (paper plane icon).
4. Verify that the message appears in the chat panel with the sender's name and timestamp.
5. Open another user's session and verify that the message appears in real-time without refreshing.

Expected Outcome:

- The message is successfully sent and displayed in the chat.
- Other users see the message in real-time without refreshing the page.

User Story 3: See Live Updates in Chat

As a user, I should be able to see live updates in the chat without refreshing the page.

Acceptance Test – Real-Time Chat Updates

Assumptions:

- The user is in the chat panel and has selected a trip.
- Another user is also in the chat panel for the same trip.

Steps:

1. Log in as User A and open the chat panel for a trip.
2. Log in as User B in another session and open the same chat.
3. User B sends a message.
4. Verify that User A sees the message appear in real-time without refreshing.
5. Repeat for multiple messages to confirm consistency.

Expected Outcome:

- Messages appear in real-time without requiring a page refresh.
- Messages maintain proper ordering and timestamps.

User Story 4: React to Messages

As a user, I should be able to react to messages (e.g., like, thumbs up) so that I can quickly express agreement.

Acceptance Test – React to a Message

Assumptions:

- The chat interface supports message reactions.
- The user has selected a trip chat.

Steps:

1. Log in as a user and open a trip chat.
2. Locate a message in the chat.
3. Hover over the message and click on the reaction icon (emoji symbol).
4. Select a reaction (e.g., thumbs up, heart, etc.).
5. Verify that the reaction appears under the message.
6. Open another user's session and confirm that the reaction appears in real-time.

Expected Outcome:

- The reaction is successfully added and displayed for all users.
- Reactions update in real-time without requiring a refresh.

Polls

User Story 1: Create a Poll

As a user, I should be able to create a poll so that I can let my group vote on trip decisions.

Acceptance Test – Create a Poll

Assumptions:

- The user is logged in and on the **Trip Summary** page of a trip.
- All trip members can create polls.

Steps:

1. From the **Trip Summary** page, click on the **Polls** tab.
2. Click the **Create New Poll** button.
3. Enter a poll question (e.g., "Which restaurant should we choose?").
4. Add at least two options.
5. Select a deadline for the poll.
6. Click **Create Poll** and verify that the poll appears under **Active Polls**.
7. Open another user's session and navigate to the same trip's **Polls** tab.
8. Confirm that the newly created poll appears under **Active Polls**.

Expected Outcome:

- The poll is created successfully and displayed under **Active Polls**.
- Other users see the poll in their **Polls** section.

User Story 2: Vote on a Poll

As a user, I should be able to vote on a poll so that I can contribute to trip planning.

Acceptance Test – Vote on a Poll

Assumptions:

- The user is logged in and on the **Trip Summary** page of a trip.
- There is at least one active poll in the trip.

Steps:

1. From the **Trip Summary** page, click on the **Polls** tab.
2. Locate an **active poll** under **Active Polls**.
3. Click on the poll to open it.
4. Select one of the available options and submit the vote.
5. Verify that the vote count updates.
6. Open another user's session, navigate to the same **Polls** tab, and confirm that the vote count has updated.

Expected Outcome:

- The vote is successfully recorded and displayed in the poll.
- The updated vote count is visible to all users.

User Story 3: Change a Vote

As a user, I should be able to change my vote before the poll closes.

Acceptance Test – Change a Vote

Assumptions:

- The user is logged in and on the **Trip Summary** page of a trip.
- The poll is still active.

Steps:

1. From the **Trip Summary** page, click on the **Polls** tab.
2. Locate an **active poll** and click to open it.
3. Select a voting option and submit the vote.
4. Click on another option and confirm the vote change.
5. Verify that the vote is updated.
6. Open another user's session, navigate to the same **Polls** tab, and confirm that the updated vote is reflected.

Expected Outcome:

- The vote successfully updates.
- Other users see the new vote count.

User Story 4: Receive Notifications for Polls

As a user, I should receive notifications when a new poll is created or when someone votes.

Acceptance Test – Poll Notifications

Assumptions:

- The user is logged in and on the **Trip Summary** page of a trip.

Steps:

1. Log in as **User A** and navigate to the **Polls** tab of a trip.
2. Click **Create New Poll** and submit it.
3. Log in as **User B**, then click on the **notification bell** at the top-right of the screen.
4. Confirm that a notification appears for the new poll.

5. **User B** clicks on the notification and confirms it redirects them to the **Polls** section.
6. **User B** votes in the poll.
7. **User A** clicks on the **notification bell** and confirms a notification appears for the new vote.

Expected Outcome:

- A notification appears when a new poll is created.
- Clicking the notification redirects the user to the **Polls** section.

User Story 5: Close a Poll

As a user, I should be able to close a poll after collecting enough votes.

Acceptance Test – Close a Poll

Assumptions:

- The user is logged in and on the **Trip Summary** page of a trip.
- Only the poll creator or an admin can close a poll.
- The poll has at least one vote.

Steps:

1. From the **Trip Summary** page, click on the **Polls** tab in the navigation menu.
2. Locate an **active poll** that the user created.
3. Click **End Poll** and confirm the action.
4. Verify that the poll moves to the **Expired Polls** section.
5. The **winning option** is marked with a **trophy icon**.
6. If a tie occurs, a **tie badge** is displayed.
7. Open another user's session and confirm that the poll is no longer available under **Active Polls**.

Expected Outcome:

- The poll is successfully closed and moved to **Expired Polls**.
- Users can no longer vote in the closed poll.
- A **poll competition** notification is sent to all trip members.
- The notification includes the poll question and the winning option (or indicates a tie).

Additional Validation:

- **Duplicate options are not allowed** when creating a poll.
- The **poll results do not update in real-time** (user must refresh to see updates).
- **Voting is restricted to trip members only.**

Itinerary Feature Acceptance Tests

User Story 1: Create an Event

As a user, I should be able to create an event so that I can schedule trip activities.

Acceptance Test – Create an Event

Assumptions:

- The user is logged in and on the Trip Summary page.

Steps:

1. From the Trip Summary page, click on the Itinerary tab.
2. Click the "Create New Event" button.
3. Enter an event title, description, and location.
4. Set a start and end time for the event.
5. Select a category.
6. Assign trip members (optional).
7. Add notes (optional)
8. Click "Create Event."
9. Verify that the event appears in the list or calendar view.
10. Open another user's session and navigate to the same trip's Itinerary tab.
11. Confirm that the newly created event appears after refreshing the page.

Expected Outcome:

- The event is created successfully and displayed in the itinerary.
- Other users see the event after refreshing the page.
- A notification (`event created`) is sent to all trip members except the creator.
- All trip members can create events.

User Story 2: Update an Event

As a user, I should be able to update an event so that I can modify trip details.

Acceptance Test – Update an Event Assumptions:

- The user is logged in and on the Trip Summary page.

Steps:

1. From the Trip Summary page, click on the Itinerary tab.
2. Locate an event and click the "Edit" button.
3. Modify the title, description, time, or assigned members.
4. Click "Update Event."
5. Verify that the changes are reflected in the itinerary.
6. Open another user’s session and navigate to the same trip’s Itinerary tab.
7. Confirm that the changes are visible after refreshing the page.

Expected Outcome:

- The event is updated successfully.
- A notification (event updated) is sent to all trip members except the initiator.
- If the event start time is changed, previous reminders are canceled, and new ones are scheduled.
- Only authorized users can update an event (event creator or a trip admin).

User Story 3: Delete an Event

As a user, I should be able to delete an event so that I can remove unnecessary events.

Acceptance Test – Delete an Event Assumptions:

- The user is logged in and on the Trip Summary page.

Steps:

1. From the Trip Summary page, click on the Itinerary tab.
2. Locate an event and click the "Delete" button.
3. Confirm the deletion.
4. Verify that the event is removed from the itinerary.
5. Open another user’s session and navigate to the same trip’s Itinerary tab.
6. Confirm that the event is no longer visible after refreshing the page.

Expected Outcome:

- The event is deleted successfully.
- A notification (event deleted) is sent to assigned users.
- Only authorized users can update an event (event creator or a trip admin).

User Story 4: Assign and Unassign Members to an Event

As a user, I should be able to assign or unassign trip members to an event.

Acceptance Test – Assign and Unassign Members

Assumptions:

- The user is logged in and on the Trip Summary page.

Steps:

1. From the Trip Summary page, click on the Itinerary tab.
2. Click on an event to expand its details.
3. Click the **Edit Participants** button.
4. Select members from the list and click **Save Changes**.
5. Verify that the assigned members appear under the event.
6. Open another user's session and confirm that they appear as assigned.
7. Unassign a member and save changes.
8. Confirm that they are removed from the event.

Expected Outcome:

- Users are assigned/unassigned successfully.
- Assigned and unassigned users receive notifications.
- Only authorized users can update an event (event creator or a trip admin).

User Story 5: Receive Event Reminders

As a user, I should receive reminders before an event starts so that I am notified in advance.

Acceptance Test – Event Reminder Notification

Assumptions:

- The user is logged in and assigned to an event.

Steps:

1. Create an event with a start time at least 2 hours in the future.
2. Assign users to the event.
3. Wait until 1 hour and 30 minutes before the event.

4. Check the notifications section for a reminder.

Expected Outcome:

- A notification (event reminder) is sent to all trip members.

User Story 6: Add Notes to an Event

As a user, I should be able to add notes to an event so that I can keep track of important details.

Acceptance Test – Add Notes to an Event

Assumptions:

- The user is logged in and on the Trip Summary page.

Steps:

1. From the Trip Summary page, click on the Itinerary tab.
2. Locate an event and click to expand it.
3. Click "Add Note."
4. Enter a note and save it.
5. Verify that the note appears under the event.
6. Open another user's session and navigate to the same trip's Itinerary tab.
7. Confirm that the note is visible after refreshing the page.

Expected Outcome:

- The note is successfully added and displayed under the event.
- A notification (event note added) is sent to assigned users.
- Only the creator of the note can edit or delete it.

User Authentication & Account Management

User Story 1: Register a New Account

As a user, I should be able to register a new account so that I can access the platform.

Acceptance Test – Register an Account

Assumptions:

- The registration page is accessible.
- The user is not already registered.

Steps:

1. Navigate to the registration page.
2. Enter a valid email, username, and password.
3. Click "Sign Up."
4. Verify that the user is redirected to the dashboard.

Expected Outcome:

- The new account is successfully created.
- The user can log in after registration.

User Story 2: Log In to an Account

As a user, I should be able to log in securely so that I can access my trips.

Acceptance Test – Log In

Assumptions:

- The user has already registered.

Steps:

1. Navigate to the login page.
2. Enter a valid email and password.
3. Click "Log In."
4. Verify that the user is redirected to their dashboard.

Expected Outcome:

- The user is logged in successfully and can access their trips.

User Story 3: Log Out of an Account

As a user, I should be able to log out securely so that my account remains protected.

Acceptance Test – Log Out

Assumptions:

- The user is logged in.

Steps:

1. Navigate to the account menu (Hamburger icon in the navbar).
2. Click "Log Out."
3. Verify that the user is redirected to the login page.
4. Attempt to access a protected page.
5. Ensure that access is denied, requiring login.

Expected Outcome:

- The user is logged out and redirected to the login page.
- Protected pages cannot be accessed without logging in.

User Story4: Reset Password

As a user, I should be able to reset my password if I forget it so that I can regain access to my account.

Acceptance Test –

Reset Password Assumptions:

- The user is on the login page.
- The "Forgot Password" link is available.

Steps:

1. Navigate to the login page.
2. Click on the "Forgot Password?" link.
3. Enter the registered email address.
4. Click "Send Password Reset Email."
5. Verify that a reset email is sent.
6. Open the email and click the reset link.
7. Enter a new password and confirm it.
8. Click "Reset Password."
9. Log in with the new password.

Expected Outcome:

- The user successfully resets their password and can log in with the new credentials.

User Story 6: Update Account Information

As a user, I should be able to update my profile details so that my information remains current.

Acceptance Test – Edit Profile

Assumptions:

- The user is logged in and on the Dashboard.

Steps:

1. Navigate to the account menu (Hamburger icon in the navbar)
2. Click “Manage Account”
3. Click "Edit Profile."
4. Modify display name or email.
5. Click "Save Changes."
6. Verify that the updated details are displayed.

Expected Outcome:

- The profile information updates successfully.
- The new details persist after refreshing the page.

Notifications System

User Story 1: Receive Notifications for Trip Updates

As a user, I should receive notifications for important trip updates so that I stay informed.

Acceptance Test – Trip Update Notifications

Assumptions:

- The user is logged in and has joined a trip.

Steps:

1. Have another user update the trip details (e.g., change trip dates, add new members).

2. Click on the notification bell icon.
3. Verify that a new notification appears with details of the update.
4. Click the notification and confirm redirection to the relevant trip section.

Expected Outcome:

- A notification appears when the trip is updated.
- Clicking the notification redirects the user to the relevant section.

User Story 2: Receive Notifications for Expenses

As a user, I should receive notifications when an expense is added or settled so that I stay informed about trip finances.

Acceptance Test – Expense Notifications

Assumptions:

- The user is part of an expense split.
- The user is logged in and on the dashboard

Steps:

1. Have another user add an expense.
2. Click on the notification bell.
3. Verify that a notification appears stating that a new expense was added.
4. Have the user settle the expense.
5. Click on the notification bell again.
6. Verify that a notification appears indicating that the expense has been settled.

Expected Outcome:

- Users receive a notification when an expense is added or settled.
- Clicking the notification redirects them to the **Expenses** tab.

User Story 3: Receive Notifications for Polls

As a user, I should receive notifications when a new poll is created or completed so that I can participate in trip decisions.

Acceptance Test – Poll Notifications

Assumptions:

- The user is a trip member.
- The user is logged in and on the dashboard

Steps:

1. Have another user create a new poll.
2. Click on the notification bell.
3. Verify that a notification appears stating that a new poll has been created.
4. Have another user close the poll.
5. Click on the notification bell again.
6. Verify that a notification appears stating that the poll has ended and shows the winning option (or a tie).

Expected Outcome:

- Users receive notifications when polls are created or closed.
- Clicking the notification redirects them to the **Polls** tab.

User Story 4: Receive Notifications for Itinerary Updates

As a user, I should receive notifications when an event is added, updated, or deleted from the itinerary so that I can stay informed.

Acceptance Test – Itinerary Notifications

Assumptions:

- The user is logged in and part of a trip.
- The itinerary has existing events.

Steps:

1. Have another user add a new event.
2. Click on the notification bell and verify that a notification appears stating that a new event was created.
3. Have another user update the event (e.g., change time).
4. Click on the notification bell again and verify that a notification appears for the update.
5. Have another user delete the event.
6. Click on the notification bell again and verify that a notification appears stating that the event was removed.

Expected Outcome:

- Users receive notifications when itinerary events are added, updated, or removed.

- Clicking the notification redirects them to the **Itinerary** tab.

User Story5: Receive Notifications for Member Assignments in Itinerary

As a user, I should receive notifications when I am assigned or unassigned from an event so that I stay updated on my responsibilities.

Acceptance Test – Member Assignment Notifications

Assumptions:

- The user is logged in and on the dashboard
- The itinerary has existing events.

Steps:

1. Have another user assign the logged-in user to an event.
2. Click on the notification bell and verify that a notification appears stating they were assigned to an event.
3. Have another user remove them from the event.
4. Click on the notification bell again and verify that a notification appears stating they were unassigned from the event.

Expected Outcome:

- Users receive a notification when assigned or removed from an event.
- Clicking the notification takes them to the **Itinerary** tab.