User Stories

Story 1:

- As a new visitor, I want to sign up for an account using my email and a password so that I can access personalized features and protected routes.

Acceptance Criteria 1 for Story 1: Successful sign up with valid credentials

- Given I am not logged in
- When I am on the home page
- And I click on "Sign Up"
- And I fill in "Email" with "newuser@example.com"
- And I fill in password fields with "securepassword123"
- And I click the "Sign up" button
- Then I should see "Welcome! You have signed up successfully."
- And I should be redirected to the expenses path

Acceptance Criteria 2 for Story 1: Failed sign up with invalid credentials

- Given I am not logged in
- When I visit the registration page
- And I fill in "Email" with "invalid-email"
- And I fill in password fields with "short"
- And I click the "Sign up" button
- Then I should see validation errors
- And I should remain on the registration page

Story 2:

- As a user, I want to be able to log into the application using my email and password so that I can access personalized features and secure my account.

Acceptance Criteria 1 for Story 2: Successful login with valid credentials

- Given I am not logged in
- And a user exists with email "user@example.com" and password "password123"
- When I am on the home page
- And I click on "Login"
- And I fill in "Email" with "user@example.com"
- And I fill in "Password" with "password123"
- And I click the "Log in" button
- Then I should see "Signed in successfully."
- And I should be redirected to the expenses path

Acceptance Criteria 2 for Story 2: Failed login with invalid credentials

- Given I am not logged in
- When I visit the login page
- And I fill in "Email" with "wrong@example.com"
- And I fill in "Password" with "wrongpassword"

- And I click the "Log in" button
- Then I should see "Invalid Email or password"
- And I should remain on the login page

Story 3:
- As a logged-in user, I want to be able to log out of the application so that I can securely end my session, especially when using shared devices.

Acceptance Criteria 1 for Story 3: Successful logout from the application
- Given I am logged in
- When I am on the home page
- And I click the "Logout" button
- Then I should see "Log in"
- And I should see "Sign Up"
- And I should not see "Welcome"

Acceptance Criteria 2 for Story 3: Logout button not visible when not logged in
- Given I am not logged in
- When I am on the home page
- Then I should not see a "Logout" button
- And I should see "Login"
- And I should see "Sign Up"

Story 4:
- As a user, I want to be able to log in using my Google account so that I can avoid creating and remembering another password while maintaining security.

Acceptance Criteria 1 for Story 4: Successful login with Google OAuth
- Given I am not logged in
- And I have valid Google OAuth credentials
- When I click "Sign in with Google"
- And Google authentication succeeds
- Then I should be signed in
- And I should be redirected to expenses_path
- And a user account should be created or found with my Google email

Acceptance Criteria 2 for Story 4: Failed login when Google authentication fails
- Given I am not logged in
- When I click "Sign in with Google"
- And Google authentication fails
- Then I should be redirected to the expenses path
- And I should not be signed in

Story 5:

- As a user who logged in via Google, I want to be able to log out of the application while understanding that this doesn't log me out of my Google account.

Acceptance Criteria 1 for Story 5: Successful logout from application after Google OAuth login
- Given I am logged in via Google OAuth
- When I click the "Logout" button
- Then I should be signed out of the application
- And I should see "Log in"
- And I should remain logged into my Google account in my browser

Acceptance Criteria 2 for Story 5: Redirect to login when accessing protected route after logout
- Given I am not logged in
- When I attempt to access a protected route directly
- Then I should be redirected to the login page
- And I should see a message prompting me to sign in

Story 6:
- As a user who has forgotten my password, I want to request a password reset via email so that I can create a new password and regain access to my account.

Acceptance Criteria 1 for Story 6: Successful password reset request
- Given I am not logged in
- And a user exists with email "user@example.com"
- When I visit the password reset page
- And I fill in "Email" with "user@example.com"
- And I click "Send reset instructions"
- Then I should see "You will receive an email with instructions"
- And a password reset email should be sent to "user@example.com"

Acceptance Criteria 2 for Story 6: Password reset request with non-existent email
- Given I am not logged in
- When I visit the password reset page
- And I fill in "Email" with "nonexistent@example.com"
- And I click "Send reset instructions"
- Then I should see a generic success message for security reasons
- And no password reset email should be sent

Story 7:
- As a user following a password reset link, I want to enter a new password so that I can securely update my credentials and log in.

Acceptance Criteria 1 for Story 7: Successful password reset with valid token
- Given I have received a valid password reset token
- When I click the reset link in my email

- And I fill in "New password" with "newpassword123"
- And I fill in "Confirm password" with "newpassword123"
- And I click "Change my password"
- Then I should see "Your password has been changed successfully"
- And I should be signed in
- And I should be redirected to the expenses path

Acceptance Criteria 2 for Story 7: Failed password reset with expired token
- Given I have an expired password reset token
- When I click the reset link in my email
- And I fill in "New password" with "newpassword123"
- And I fill in "Confirm password" with "newpassword123"
- And I click "Change my password"
- Then I should see "Reset password token is invalid or expired"
- And I should not be signed in

Story 8:
- As a registered user, I want to permanently delete my account so that all my personal data is removed from the application.

Acceptance Criteria 1 for Story 8: Successful account deletion with confirmation
- Given I am logged in
- When I visit the account settings page
- And I click "Delete my account"
- And I confirm the deletion
- Then my account should be permanently deleted
- And all my associated data should be removed
- And I should be redirected to the home page
- And I should see a confirmation message

Acceptance Criteria 2 for Story 8: Account deletion cancelled by user
- Given I am logged in
- When I visit the account settings page
- And I click "Delete my account"
- And I cancel the deletion
- Then my account should not be deleted
- And I should remain on the account settings page
- And I should still be logged in

Story 9:
- As a user, I want to be able to update my email address and password so that I can keep my account information current and secure.

Acceptance Criteria 1 for Story 9: Successful email update with correct password

- Given I am logged in with email "old@example.com"
- When I visit the account settings page
- And I fill in "Email" with "new@example.com"
- And I fill in "Current password" with "password123"
- And I click "Update"
- Then I should see "Account updated successfully"
- And my email should be changed to "new@example.com"

Acceptance Criteria 2 for Story 9: Failed email update with incorrect password
- Given I am logged in
- When I visit the account settings page
- And I fill in "Email" with "new@example.com"
- And I fill in "Current password" with "wrongpassword"
- And I click "Update"
- Then I should see "Current password is incorrect"
- And my email should not be changed

Story 10:
- As a user, I want to be able to delete my account permanently so that I can remove my data from the application when I no longer need the service.

Acceptance Criteria 1 for Story 10: Successful account deletion with password confirmation
- Given I am logged in
- And I have created expenses and joined groups
- When I visit the account settings page
- And I click "Delete my account"
- And I confirm the deletion with my correct password
- Then my account should be deleted
- And all my expenses should be removed
- And I should be removed from all groups
- And I should be redirected to the home page

Acceptance Criteria 2 for Story 10: Failed account deletion with incorrect password
- Given I am logged in
- When I visit the account settings page
- And I click "Delete my account"
- And I provide an incorrect password for confirmation
- Then I should see "Password is incorrect"
- And my account should not be deleted
- And I should remain logged in

Story 11:
- As a security-conscious user, I want the system to require my current password for sensitive changes so that I can prevent unauthorized modifications.

Acceptance Criteria 1 for Story 11: Successful sensitive change with correct password
- Given I am logged in
- When I attempt to change my email address
- And I provide my correct current password
- Then the email change should be processed
- And I should see "Account updated successfully"

Acceptance Criteria 2 for Story 11: Failed sensitive change with incorrect password
- Given I am logged in
- When I attempt to change my password
- And I provide an incorrect current password
- Then the password change should be rejected
- And I should see "Current password is incorrect"
- And my password should remain unchanged

Story 12:
- As a user viewing an expense, I want to click the message button and be redirected to a conversation page with the expense author so that we can discuss the expense privately.

Acceptance Criteria 1 for Story 12: Successfully start conversation with expense author
- Given I am logged in as "alice@example.com"
- And an expense posted by "bob@example.com"
- When I visit that expense page
- And I click the message button "Send Message"
- Then I should be on the conversation page with "Bob Roe"
- And I should see in conversation "No messages yet"

Acceptance Criteria 2 for Story 12: Prevent conversation with self
- Given I am logged in
- And I created an expense
- When I attempt to message myself about the expense I created
- Then I should see "You cannot start a conversation with yourself"
- And no conversation should be created

Story 13:
- As a conversation participant, I want to send new messages that immediately appear in the conversation so that I can contribute to the ongoing discussion.

Acceptance Criteria 1 for Story 13: Successfully send and view message
- Given a conversation between "alice@example.com" and "bob@example.com"
- When I send a message saying "Hi Bob!"
- Then I should see "Hi Bob!"
- And the message count should increase by 1

- And Bob should see the same message when he logs in

Acceptance Criteria 2 for Story 13: Failed message creation with empty body
- Given I am in a conversation with another user
- When I attempt to send an empty message
- And I click "Send"
- Then the message should not be created
- And I should see an error status
- And the conversation page should be re-rendered with errors

Story 14:
- As a logged-in user, I want a navigation bar to see a "Conversations" link in the main navigation alongside Expenses, Groups, and Account so that I can easily access my messaging inbox from any page.

Acceptance Criteria 1 for Story 14: Conversations link visible when logged in
- Given I am logged in
- When I am on any page within the application
- Then I should see a "Conversations" link in the navigation bar
- And clicking it should take me to the conversations index page

Acceptance Criteria 2 for Story 14: Redirect to login when not authenticated
- Given I am not logged in
- When I attempt to access the conversations page directly
- Then I should be redirected to the login page
- And I should see a prompt to sign in

Story 15:
- As a user with multiple conversations, I want to see a list of all my conversations sorted by most recently active so that I can quickly find ongoing discussions.

Acceptance Criteria 1 for Story 15: View sorted conversations list
- Given I am logged in
- And I have 3 conversations with different users
- And conversation A was updated most recently
- When I visit the conversations index page
- Then I should see all 3 conversations
- And conversation A should appear first in the list

Acceptance Criteria 2 for Story 15: Empty state when no conversations exist
- Given I am logged in
- And I have no conversations
- When I visit the conversations index page
- Then I should see an empty or minimal conversations list

- And I should be able to navigate to start new conversations

Story 16:
- As a user browsing conversations, I want to see the last message snippet and timestamp for each conversation so that I can identify recent activity without opening each conversation.

Acceptance Criteria 1 for Story 16: View message preview and timestamp
- Given I am logged in
- And I have a conversation with a last message "Hello there" sent today
- When I visit the conversations index page
- Then I should see "Hello there" as the preview
- And I should see today's timestamp

Acceptance Criteria 2 for Story 16: Handle conversations with no messages
- Given I am logged in
- And I have a conversation with no messages
- When I visit the conversations index page
- Then I should see the conversation listed
- And I should see an indication that no messages exist yet

Story 17:
- As a user returning to a conversation, I want to see the most recent messages of all conversations in the conversation list page so that I can quickly catch up on new developments before opening any conversation.

Acceptance Criteria 1 for Story 17: View recent messages across all conversations
- Given I am logged in
- And I have multiple conversations with recent messages
- When I visit the conversations index page
- Then I should see the last message preview for each conversation
- And previews should be sorted by most recent activity

Acceptance Criteria 2 for Story 17: View old message timestamps
- Given I am logged in
- And all my conversations have old messages from over a month ago
- When I visit the conversations index page
- Then I should still see the message previews
- And I should see timestamps showing how old they are

Story 18:
- As an expense author, I want to receive messages from other users about my expenses so that I can answer questions or provide additional details.

Acceptance Criteria 1 for Story 18: Receive and view messages as author

- Given I am logged in as the author of an expense
- And another user has sent me a message about that expense
- When I visit the conversations page
- Then I should see the new conversation
- And I should see the message from the other user

Acceptance Criteria 2 for Story 18: Prevent unauthorized conversation access
- Given I am logged in
- And I am not a participant in a conversation
- When I try to access that conversation directly
- Then I should see "You are not authorized to view that conversation"
- And I should be redirected to the conversations page

Story 19:
- As a user, I want to see a list of all contactable members in my groups organized by group name so that I can easily find and message specific people I share expenses with.

Acceptance Criteria 1 for Story 19: View contactable members organized by group
- Given I am logged in
- And I am a member of "Roommates" group with users Alice and Bob
- When I visit the conversations index page
- Then I should see "Roommates" as a group header
- And I should see Alice and Bob listed under that group
- And I should be able to click on either to start a conversation

Acceptance Criteria 2 for Story 19: No other members in solo group
- Given I am logged in
- And I am the only member in "Solo Group"
- When I visit the conversations index page
- Then I should see "Solo Group" as a group header
- And the messageable users list for that group should be empty

Story 20:
- As a user, I want to start a conversation with any contactable member in my shared groups so that I can discuss expenses or coordinate group activities privately.

Acceptance Criteria 1 for Story 20: Start conversation with group member
- Given I am logged in
- And I am in group "Roommates" with user Bob
- When I visit the conversations page
- And I click on Bob's name under "Roommates"
- Then a conversation should be created or found between me and Bob
- And I should be redirected to that conversation page
- And I should be able to send messages

Acceptance Criteria 2 for Story 20: No groups to message from
- Given I am logged in
- And I am not in any groups
- When I visit the conversations page
- Then the messageable_by_group hash should be empty
- And I should not see any group member lists

Story 21:
- As a user composing a message, I want to select expense from a list so that I can provide complete context for complex financial discussions.

Acceptance Criteria 1 for Story 21: Select and quote expenses in message
- Given I am composing a message in a conversation
- And the other user has created 3 expenses
- When I view the message composition form
- Then I should see a list of available expenses to quote
- And I should be able to select one or more expenses
- And when I send the message the selected expenses should be attached as quoted expenses

Acceptance Criteria 2 for Story 21: Send message without quoting expenses
- Given I am composing a message in a conversation
- When I type a message body without selecting any expenses
- And I click "Send"
- Then the message should be created successfully
- And the message should have no quoted expenses

Story 22:
- As a user, I want to reference multiple expenses in a single message so that I can discuss several related transactions without sending multiple separate messages.

Acceptance Criteria 1 for Story 22: Successfully quote multiple expenses
- Given I am composing a message
- And there are multiple expenses available
- When I select expense with id 1 and expense with id 2
- And I type "These both seem high this month"
- And I click "Send"
- Then the message should be created
- And the message should have 2 quoted expenses attached
- And both expenses should be visible in the conversation view

Acceptance Criteria 2 for Story 22: Failed message with no body
- Given I am composing a message
- When I select no expenses

- And I type an empty message body
- And I click "Send"
- Then I should see "Body can't be blank"
- And the message should not be created

Story 23:
- As a user viewing message history, I want to see all expenses that were quoted in each message so that I understand the full scope of what was being discussed.

Acceptance Criteria 1 for Story 23: View quoted expenses in message
- Given I am viewing a conversation
- And a message contains 2 quoted expenses
- When I view the message
- Then I should see both expense titles
- And I should see the amounts for each expense
- And the quoted expenses should be displayed with the message

Acceptance Criteria 2 for Story 23: View message with no quoted expenses
- Given I am viewing a conversation
- And a message has no quoted expenses
- When I view the message
- Then I should see only the message body
- And no expense information should be displayed

Story 24:
- As a user, I want to download a backup of all my expense data so that I can have a portable copy of my financial information for safekeeping or migration purposes.

Acceptance Criteria 1 for Story 24: Successfully download backup with data
- Given I am logged in
- And I have created expenses, categories, and joined groups
- When I visit the backup page
- And I click "Download Backup"
- Then a JSON file should be generated and downloaded
- And the file should contain all my expenses with complete details
- And the file should contain my categories
- And the file should contain my groups with join codes
- And the filename should include a timestamp

Acceptance Criteria 2 for Story 24: Download backup with no data
- Given I am logged in
- And I have no expenses or data
- When I visit the backup page
- And I click "Download Backup"

- Then a JSON file should still be downloaded
- And the file should contain empty arrays for expenses
- And the file should have the correct version and structure

Story 25:
- As a user, I want to restore my expense data from a backup file so that I can recover my financial information after data loss or when switching devices.

Acceptance Criteria 1 for Story 25: Successfully restore from valid backup
- Given I am logged in
- And I have a valid backup file with 2 expenses, 2 categories, and 1 group
- When I visit the backup page
- And I upload the backup file
- And I click "Restore Backup"
- Then I should see "Backup restored successfully!"
- And the summary should show the correct counts for restored items
- And my expenses should be restored
- And my categories should be restored or matched
- And I should be added to groups via join codes

Acceptance Criteria 2 for Story 25: Failed restore with invalid file
- Given I am logged in
- When I visit the backup page
- And I upload a file with invalid JSON content
- And I click "Restore Backup"
- Then I should see "Invalid JSON file"
- And I should be redirected to the backup page
- And no data should be restored

Story 26:
- As a user, I want an intuitive interface having both backup and restore operations accompanied by clear instructions so that I can easily manage my data without technical knowledge.

Acceptance Criteria 1 for Story 26: View clear backup and restore interface
- Given I am logged in
- When I visit the backup page
- Then I should see a page title
- And I should see instructions or labels for downloading a backup
- And I should see instructions or labels for uploading a backup
- And I should see separate sections or buttons for backup and restore operations

Acceptance Criteria 2 for Story 26: Redirect unauthenticated users
- Given I am not logged in

- When I attempt to access the backup page directly
- Then I should be redirected to the login page
- And I should not be able to access backup functionality

Story 27:
- As a user, I want a button to enter the backup-restore page from anywhere within the app.

Acceptance Criteria 1 for Story 27: Access backup page from navigation
- Given I am logged in
- When I am on any page in the application
- Then I should see a backup/restore icon or link in the navigation
- And clicking it should take me to the backup page

Acceptance Criteria 2 for Story 27: No backup link when not logged in
- Given I am not logged in
- When I visit the home page
- Then I should not see a backup/restore link in the navigation
- And attempting to access the backup page URL directly should redirect to login

Story 28:
- As an unauthenticated user, I want to be redirected to the login page when accessing non-existent routes so that I can authenticate first before accessing the application.

Acceptance Criteria 1 for Story 28: Redirect to login for invalid route
- Given I am not logged in
- When I visit a non-existent route
- Then I should be redirected to the login page
- And I should see the login form

Acceptance Criteria 2 for Story 28: Multiple invalid routes redirect to login
- Given I am not logged in
- When I visit multiple non-existent routes in succession
- Then I should be redirected to the login page each time
- And I should not see any error stack traces

Story 29:
- As an authenticated user, I want to see a friendly "Page not found" message when accessing invalid routes so that I understand what happened and can navigate back to the application.

Acceptance Criteria 1 for Story 29: Show friendly 404 message
- Given I am logged in
- When I visit a non-existent route
- Then I should be redirected to the root path
- And I should see "Page not found" alert message

- And I should still see the navigation bar

Acceptance Criteria 2 for Story 29: No Rails error page shown
- Given I am logged in
- When I manually type an invalid URL
- Then I should not see a Rails error page
- And I should be redirected with a flash message
- And I should be able to navigate back to valid pages

Story 30:
- As a group member, I want to be able to edit expenses I've created within a group so that I can correct errors or update expense details when needed.

Acceptance Criteria 1 for Story 30: Successfully edit own group expense
- Given I am logged in
- And I am a member of a group
- And I created an expense for $50 in that group
- When I visit the edit page for that expense
- And I change the amount to $60
- And I click "Save Expense"
- Then I should see a success message
- And the expense amount should be updated to $60
- And I should be redirected to the appropriate page

Acceptance Criteria 2 for Story 30: Edit form handles validation errors
- Given I am logged in
- And I created a group expense
- When I visit the edit page for that expense
- And I change the title to blank
- And I click "Save Expense"
- Then I should see validation errors
- And the edit form should be re-rendered
- And the expense should remain unchanged

Story 31:
- As a user creating an expense, I want today's date auto-set when logging daily expenses so that I can save time during data entry.

Acceptance Criteria 1 for Story 31: Date field pre-filled with today's date
- Given I am logged in
- When I visit the new expense page
- Then the "Spent on" field should be pre-filled with today's date
- And I should be able to submit the form without changing the date
- And the expense should be created with today's date

Acceptance Criteria 2 for Story 31: User can override pre-filled date
- Given I am logged in
- When I visit the new expense page
- And the "Spent on" field is pre-filled with today's date
- And I manually change the date to a past date
- And I submit the form
- Then the expense should be created with the date I specified
- And not with today's date

Burn-up chart:

2 weeks   **1 month**   3 months   Max

📅 Custom range ⌄

○ Completed   ○ Open