Sample PBI

User Story 1: Task Management

As a project manager, I want to be able to assign tasks to team members within the project management tool so that I can efficiently distribute workload and track progress.

Acceptance Criteria:
- **Scenario: Assigning a task to a team member**
  - GIVEN I am logged in as a project manager
  - WHEN I create a new task and select a team member from a dropdown list
  - THEN the task is assigned to the selected team member and saved in the system.
- **Scenario: Notifying the assigned team member**
  - GIVEN I have assigned a task to a team member
  - WHEN the assignment is saved
  - THEN the team member receives an email notification with the task details.
- **Scenario: Viewing task assignment history**
  - GIVEN I am viewing a task in the project management tool
  - WHEN I access the task history
  - THEN I see a log of all assignments, including who was assigned and when.

User Story 2: Data Visualization

As a data analyst, I want to generate customizable charts from my dataset so that I can present insights clearly to stakeholders during meetings.

Acceptance Criteria:
- **Scenario: Selecting a chart type**
  - GIVEN I am working with a dataset in the visualization tool
  - WHEN I choose a chart type from options like bar, line, or pie
  - THEN the tool generates the chart based on my selection.
- **Scenario: Customizing chart appearance**
  - GIVEN I have generated a chart
  - WHEN I modify its colors and labels
  - THEN the chart updates to reflect my customizations.
- **Scenario: Exporting a chart**
  - GIVEN I have created a chart
  - WHEN I select the export option

– THEN the chart is downloaded as a PNG or PDF file.

User Story 3: User Authentication

As a registered user, I want to log in to the application using my email and password so that I can securely access my personalized dashboard.

Acceptance Criteria:
- **Scenario: Successful login with valid credentials**
    - GIVEN I am on the login page
    - WHEN I enter a valid email and password and submit
    - THEN I am redirected to my personalized dashboard.
- **Scenario: Failed login with invalid credentials**
    - GIVEN I am on the login page
    - WHEN I enter an incorrect email or password and submit
    - THEN I see an error message indicating the credentials are invalid.
- **Scenario: Immediate redirect after login**
    - GIVEN I have entered valid credentials
    - WHEN I submit the login form
    - THEN I am redirected to the dashboard within 2 seconds.

User Story 4: Form Validation

As a website user, I want the registration form to display an error message immediately when I enter an invalid email format so that I can correct it before submitting the form.

Acceptance Criteria:
- **Scenario: Real-time email format validation**
    - GIVEN I am filling out the registration form
    - WHEN I enter an invalid email format (e.g., missing "@" or domain)
    - THEN an error message appears within 1 second.
- **Scenario: Clear error message for invalid email**
    - GIVEN I have entered an invalid email
    - WHEN the error message appears
    - THEN it specifies the need for an "@" symbol and a valid domain.
- **Scenario: Submit button disabled for invalid email**
    - GIVEN I am on the registration form
    - WHEN the email field contains an invalid format
    - THEN the "Submit" button remains disabled.

User Story 5: Button Styling

As a mobile app user, I want the "Submit" button to change to a loading spinner when clicked so that I know my action is being processed.

Acceptance Criteria:
- **Scenario: Button changes to spinner on click**
  – GIVEN I am on a form in the mobile app
  – WHEN I click the "Submit" button
  – THEN the button changes to a loading spinner within 0.5 seconds.
- **Scenario: Spinner persists during processing**
  – GIVEN I have clicked the "Submit" button
  – WHEN the action is being processed
  – THEN the loading spinner remains visible until the action completes or fails.
- **Scenario: Button reverts with result message**
  – GIVEN the action has completed or failed
  – WHEN the processing finishes
  – THEN the button reverts to its original state and a success or error message is displayed.

User Story 6: API Error Handling

As an application user, I want to see a friendly error message when the server is unavailable so that I understand the issue and can try again later.

Acceptance Criteria:
- **Scenario: Prompt error message on server failure**
  – GIVEN the server is unavailable
  – WHEN I attempt an action that requires a server request
  – THEN an error message appears within 2 seconds.
- **Scenario: Actionable error message content**
  – GIVEN a server error has occurred
  – WHEN the error message is displayed
  – THEN it includes a suggestion to "try again later" or "check my internet connection."
- **Scenario: User-friendly error language**
  – GIVEN a server error has occurred
  – WHEN the error message appears
  – THEN it uses non-technical language, such as "Oops, our server is taking a break. Please try again soon!"