**Test document for DisplayRewards component**

* DisplayRewards component fetches data from json-server, calculates the reward points for the transactions for past 3 months and the total reward points and displays them.
* The tests in this document are used to verify the correct functionality of the DisplayRewards component.

**Mock data** – Is used to simulate the response from an API service.

**Test Suite** – Display rewards component.

* Importing the required react testing library functions, DisplayReward component & data fetching function.
* Used before each function to mock the API response with mock data before each test.

**Test Case** – Component renders correctly

* **Test steps** –
  + Render the DisplayReward component.
  + Check if the heading text "Reward points for customers" is displaying correctly.
  + Check if the customer names "Tony Stark" and "Steve Rogers" are rendered.
  + Validate the reward points data for each customer.
* **Validations** –
  + The heading text "Reward points for customers" should be in the document.
  + Customer names "Tony Stark" and "Steve Rogers" should be present in the document.
  + Reward points for "Tony Stark" should be displayed as 400, 450, 350, and 1200.

1st month: Total transactions = 350, hence reward points = (350 – 100) \* 2 + 50 = 550

2nd month: Total transactions = 300, hence reward points = (300 – 100) \* 2 + 50 = 450

3rd month: Total transactions = 250, hence reward points = (250 – 100) \* 2 + 50 = 350

Total reward points = 550 + 450 + 350 = 1350

* + Reward points for "Tony Stark" should be displayed as 400, 450, 350, and 1200.

1st month: Total transactions = 320, hence reward points = (320 – 100) \* 2 + 50 = 490

2nd month: Total transactions = 390, hence reward points = (390 – 100) \* 2 + 50 = 630

3rd month: Total transactions = 55, hence reward points = (55 – 50) \* 1 = 5

Total reward points = 490 + 630 + 5 = 1125