IT 314: LAB-3

Group - 5   **Date: 22/8/2023**

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User Stories:

1. As a farmer, I want login functionality so that I can book a warehouse for storing my goods.
2. As a farmer, I want a list of all warehouses so that I can find the nearest warehouse.
3. As a farmer, I want to reserve space in a warehouse, so that I can store my crops.
4. As a farmer, I want a rate and review functionality so that I can give my review regarding my experience.
5. As a farmer, I want to be alerted when my stored crops are close to their shelf life or when my reservation is coming to an end so that I know when to move the crop out of the warehouse.
6. As a farmer, I want to view past reservation details so that I can book in my desired warehouse.
7. As a Warehouse owner, I want an option to update warehouse details, including storage capacity, available space, and crop storage life so that farmers know how much space is available in the warehouse.
8. As a Warehouse Manager, I want to get notification of reservation from farmers, so that I know the no.of units booked and the details of the booking.
9. As a Warehouse Manager, I want to generate reports on warehouse occupancy, so that I can use it for documentation purposes..

Acceptance Criteria:

1. As a Farmer, I want login functionality so that I can book a warehouse for storing my goods:

    - Acceptance Criteria:
        ● There is a login page with fields for entering the username/email and password. Upon successful login, the user is redirected to the dashboard.
        ● If the login credentials are incorrect, the user receives an error message.

2. As a Farmer, I want a list of all warehouses so that I can find the nearest warehouse:

    - Acceptance Criteria:
        ● The system provides a page showing a list of all warehouses where each warehouse entry includes its name, distance, available storage space, and capacity.
        ● Warehouses are listed in ascending order based on distance.

3. As a Farmer, I want to reserve space in a warehouse, so that I can store my crops:

    - Acceptance Criteria:
        ● On the warehouse page, there should be an option to reserve space.
        ● The user can select the warehouse, specify the crop type, quantity, and reservation dates.
        ● After successful reservation, the user receives a confirmation message.

4. As a Farmer, I want a rate and review functionality so that I can give my review regarding my experience:

    - Acceptance Criteria:
        ● Each warehouse has a "Rate and Review" button.
        ● Clicking the button opens a form where the user can give a rating (1 to 5 stars) and provide a written review.
        ● After submission, the review is displayed alongside the warehouse details.

5. As a Farmer, I want to be alerted when my stored crops are close to their shelf life or when my reservation is coming to an end so that I know when to move the crop out of the warehouse.

    - Acceptance Criteria:
        ●   The user receives a notification when the stored crops are within a specified timeframe from their shelf life expiration.
        ●   The user receives a notification when the reservation is approaching its end date.

6. As a Farmer, I want to view past reservation details so that I can book in my desired warehouse:

    - Acceptance Criteria:
        ●   On the dashboard, there is a section showing the user's past reservation history.
        ●   Each reservation entry includes the warehouse name, crop type, quantity, reservation dates, and status.

7. As a Warehouse Owner, I want an option to update warehouse details, including storage capacity, available space, and crop storage life so that farmers know how much space is available in the warehouse:

    - Acceptance Criteria:
        ●   There is a section in the warehouse management interface for updating warehouse details.
        ●   The user can edit and save changes to storage capacity, available space, and crop storage life.

8. As a Warehouse Manager, I want to get notification of reservation from farmers, so that I know the no.of units booked and the details of the booking:

    - Acceptance Criteria:
        ●   The user receives a notification whenever a farmer makes a reservation.
        ●   The notification includes the farmer's details, reserved warehouse, crop type, quantity, and reservation dates.

9. As a Warehouse Manager, I want to generate reports on warehouse occupancy, so that I can use it for documentation purposes:

    - Acceptance Criteria:
        ●   There is a "Generate Report" option in the warehouse management interface.
        ●   The user can select a time period and generate a report detailing warehouse occupancy, including reserved and available space.