**Name: Anne Maria Vasu**
**Project: Pet Diaries**

## Requirements

RequirementID#
UR – 001, UR – 002, UR – 003, UR – 004, UR – 005, UR – 006, UR – 007, UR – 030, UR – 031,
UR – 032, UR – 033, UR - 034

## Use Case documents

| Use Case ID: | UC-01 | |
|---|---|---|
| Use Case Name: | Login | |
| Description: | User can log into the PetDiaries | |
| Actors: | Owner, Caretaker, Admin | |
| Pre-conditions: | PetDiaries login page is displayed | |
| Post-conditions: | User dashboard is displayed on successful login | |
| Frequency of Use: | Dependent on users | |

| Flow of Events: | | Actor Action | System Response |
|---|---|---|---|
| | 1 | Enter username, password and click login button | Validate credentials and allow login if passes. If validation fails display corresponding error message to user |
| | 2 | User clicks Forgot Username/Password | Display "Recover username/password page" |
| | 3 | User enters email address in "Recover username/password page" | Validates email address. If valid email, sends recovery mail to user. Will display "Recovery details sent to email" in case of success and failure to prevent attacker from identifying email address. |

| Variations: | Admin, Owner and Caretaker will have different dashboards displayed based on their role. |
|---|---|
| Exceptions: | None |

| | |
|---|---|
| **Developer Notes:** | None |

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|---|---|
| **Use Case ID:** | UC-02 |
| **Use Case Name:** | Register User |
| **Description:** | User can create a new account with Pet Diaries |
| **Actors:** | Owner, Caretaker |
| **Pre-conditions:** | User clicks Sign Up button on login screen |
| **Post-conditions:** | New user is successfully registered |
| **Frequency of Use:** | Dependent on users |

| **Flow of Events:** | | **Actor Action** | **System Response** |
|---|---|---|---|
| | 1 | User enters unique username, password, email address, contact information and preferred role | If preferred role is Owner, "Pet information" field is enabled. If preferred role entered is Caretaker, this field stays disabled |
| | 2 | Owner enters pet information. All users enter pet preferences. User clicks submit. | All user input is validated for various discrepancies. If all data is considered valid, new user is created and success is displayed to user. If invalid data is found, an error is displayed with corresponding bad fields highlighted. |

| | |
|---|---|
| **Variations:** | Owner and caretaker inputs vary with respect to Pet Information field. |
| **Exceptions:** | Admin does not have to do this |

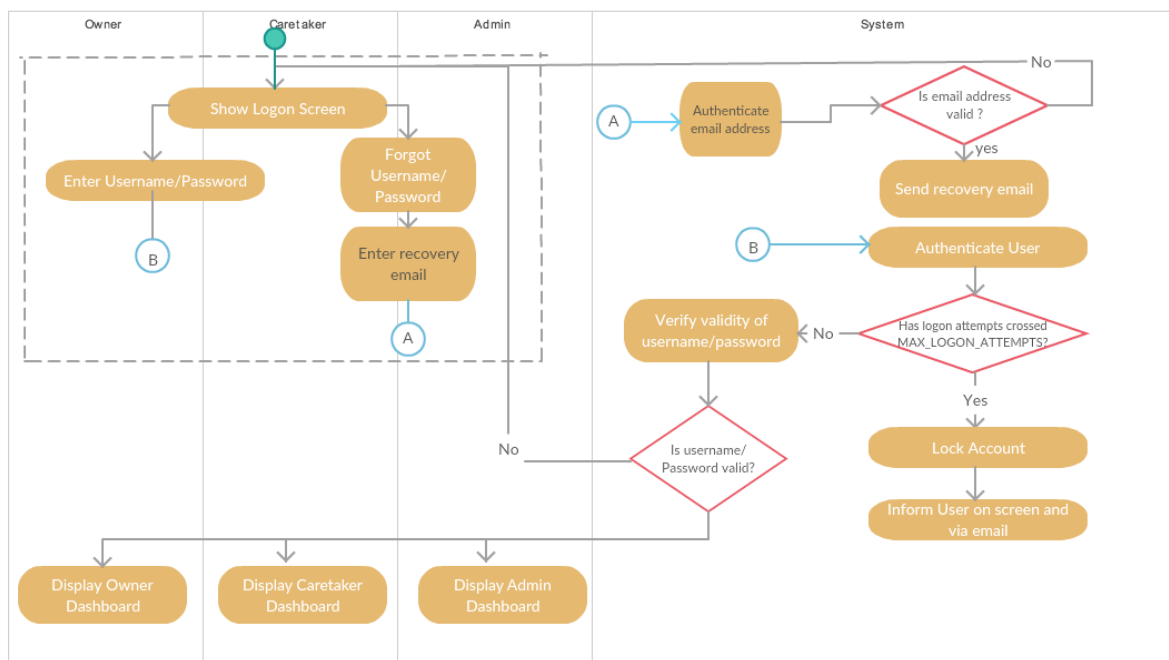| Developer Notes: | None |
|---|---|

## Activity Diagrams

*Login*
**RequirementID#:** UR – 031, UR – 032, UR – 033, UR - 034
**Use Case ID#:** UC-01
**Use case description:** This use case deals with creating required functionality to allow an existing user to login to PetDiaries. It will also have functionalities built in to recover user credentials by entering the email address that the user had registered, and to lock a user account if there are too many login attempts with a bad password.
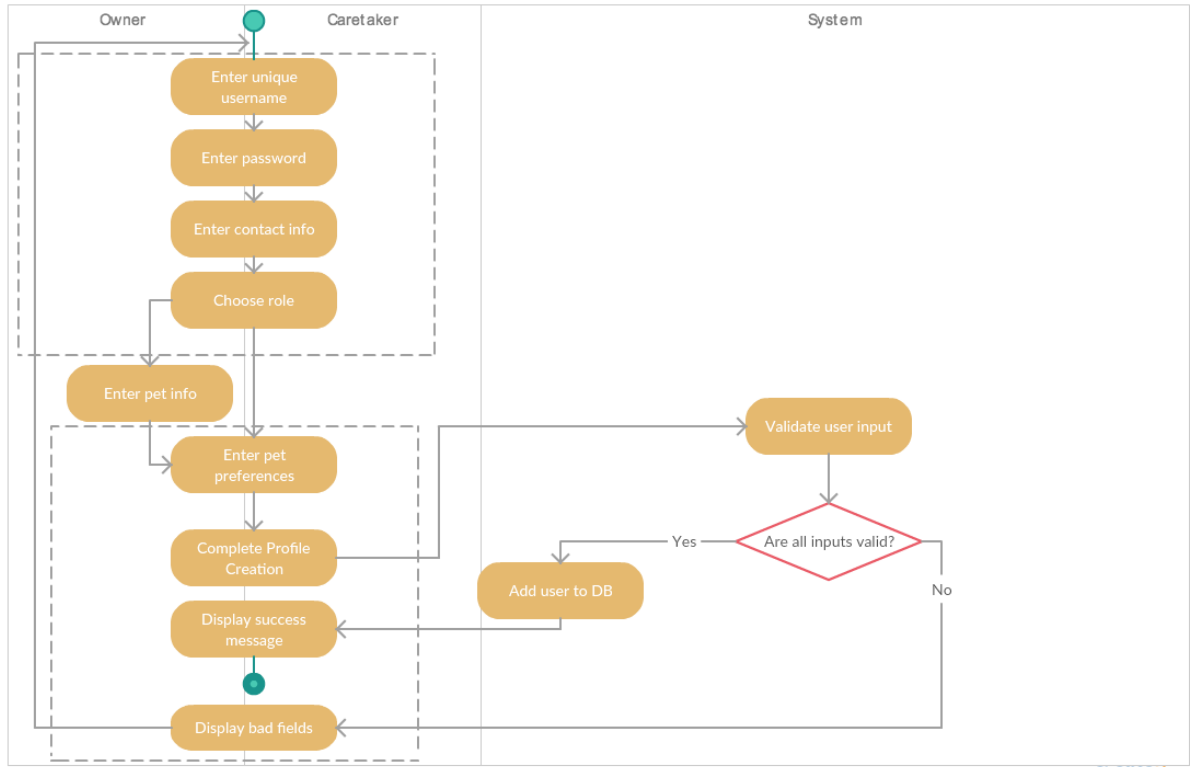**Name:** Anne Maria Vasu



*Register User*
**RequirementID#:** UR – 001, UR – 002, UR – 003, UR – 004, UR – 005, UR – 006, UR – 007, UR – 030
**Use Case ID#:** UC-02
**Use case description:** This use case allows a new user to sign up for an account with Pet Diaries. The user will be prompted with a registration page where user can enter details such as desired role, pet preferences, contact information apart from username and password. Once the user submits these details, the System will verify the validity of user input, and create a new user if on valid input. Else the user will be asked to reenter valid data.
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| Owner | Caretaker | System |
|---|---|---|

Enter unique username

Enter password

Enter contact info

Choose role

Enter pet info

Enter pet preferences

Validate user input

Are all inputs valid?

Complete Profile Creation

Add user to DB

Yes

No

Display success message

Display bad fields
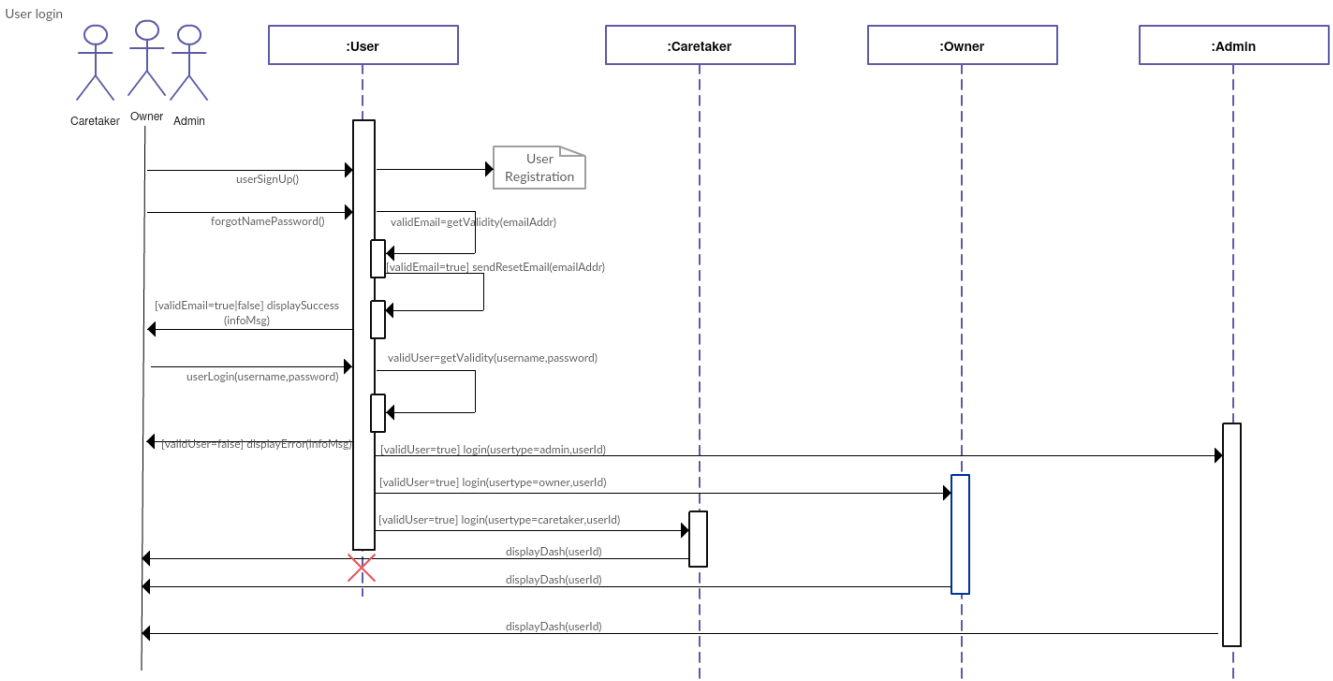
# User Interactions/ Sequence Diagrams

*Login*
**RequirementID#:** UR – 031, UR – 032, UR – 033, UR - 034
**Use Case ID#:** UC-01
**Use case description:** This use case deals with creating required functionality to allow an existing user to login to PetDiaries. It will also have functionalities built in to recover user credentials by entering the email address that the user had registered, and to lock a user account if there are too many login attempts with a bad password.
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*Register User*
**RequirementID#:** UR – 001, UR – 002, UR – 003, UR – 004, UR – 005, UR – 006, UR – 007, UR – 030
**Use Case ID#:** UC-02
**Use case description:** This use case allows a new user to sign up for an account with Pet Diaries. The user will be prompted with a registration page where user can enter details such as desired role, pet preferences, contact information apart from username and password. Once the user submits these details, the System will verify the validity of user input, and create a new user if on valid input. Else the user will be asked to reenter valid data.
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