

# Mobile App Development (CIS4034-N)

## Sprint Plan

### Completion Details

<b>Name:</b>	Sneha Kalaiselvan	<b>Date:</b>	25/10/2024
<b>Sprint number:</b>	1	<b>Tutor:</b>	Julien Cordy, Ranjith Dinakaran
<b>Project management tool:</b>	Trello		
<b>Git link:</b>	<a href="https://github.com/SnehaPaps/Happy-Pet.git">https://github.com/SnehaPaps/Happy-Pet.git</a>		

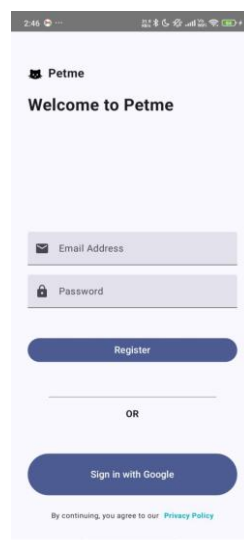
### Introduction

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### Sprint Details

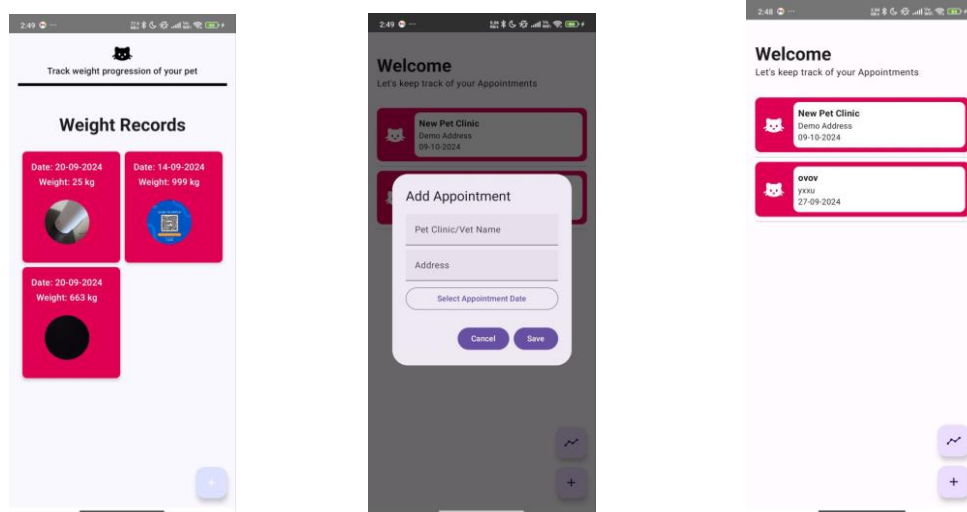
What is the **goal** of this sprint?

*The primary goal of sprint 1 is to focus on building a usage version of an app. Basic UI and Login activities includes creating pet profiles and tracking weight.*



What are the essential **user stories** to be completed in this sprint?

1. *Users should be able to add basic info for each pet, like name, breed, and age.*
2. *They should be able to schedule vet or grooming appointments, with date and reason.*
3. *Allows users log their pet's weight over time to keep an eye on their health.*
4. *Users should see a simple dashboard with pet info, upcoming appointments, and latest weight.*



What are the **security considerations** for features being developed in this sprint?

**Data Privacy:** *Protect personal data like pet profiles and user information.*

**Access Control:** *Ensure only the app user can access or edit their pet's data.*

**Secure Storage:** *Store sensitive data (like appointment details) securely, ideally with encryption for data at rest.*

# Mobile App Development (CIS4034-N)

## Sprint Plan

### Completion Details

<b>Name:</b>	Sneha kalaislevan	<b>Date:</b>	08/11/2024
<b>Sprint number:</b>	2	<b>Tutor:</b>	Julien cordy, Ranjith dinakaran
<b>Project management tool:</b>	Trello		
<b>Git link:</b>	<a href="https://github.com/SnehaPaps/Happy-Pet.git">https://github.com/SnehaPaps/Happy-Pet.git</a>		

### Introduction

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### Sprint Details

What is the <b>goal</b> of this sprint?
Sprint 2 is planned to expand the app's functionality by adding some new helpful features and improving the user experience. Following sprint 1, it is more focused on detailed tracking, focusing on reminders and improving the engagement performance.
What are the essential <b>user stories</b> to be completed in this sprint?
<i>The app users should get reminders for upcoming appointments such as push notifications so that they do not forget. They can add health notes for their pet's such as special instructions for vet's. Allergies, medications, and dietary information.</i>  <i>Additionally, it also has features to log activities like walking, feeding, and playing times for tracking the pet's daily routine. Quick access for reminders will be shown in Dashboard.</i>
What are the <b>security considerations</b> for features being developed in this sprint?

**Notification Security:** *Protection for reminder notifications only authorized users can see sensitive details so they do not reveal their personal data.*

**Activity Data Protection:** *Secure any health or activity logs since they are private to the user.*

**User Authentication:** *Setting up basic login authentication to ensure only the user can access their pet's data which was failed to complete in Sprint 1.*

# Mobile App Development (CIS4034-N)

## *Sprint Plan*

### Completion Details

<b>Name:</b>	Sneha Kalaiselvan	<b>Date:</b>	22/11/2024
<b>Sprint number:</b>	3	<b>Tutor:</b>	Julien Cordy, Ranjith Dinakaran
<b>Project management tool:</b>	Trello		
<b>Git link:</b>	<a href="https://github.com/SnehaPaps/Happy-Pet.git">https://github.com/SnehaPaps/Happy-Pet.git</a>		

### Introduction

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### Sprint Details

What is the <b>goal</b> of this sprint?
The motive of sprint 3 is to enhance the app with advanced features like analytics, pet health trends, and personalization, making it more useful and engaging for users.
What are the essential <b>user stories</b> to be completed in this sprint?
<p>The app offers users the ability to track their pets' health trends, customize their pet profiles with custom fields, group pets by type, and backup and restore their data to the cloud for easy access.</p> <p>The app allows users to customize pet profiles with custom fields, simplifying pet management. It also allows grouping pets and saves data to the cloud or local, protecting against data loss and enabling easy device switching, using Firebase for cloud backups.</p>
What are the <b>security considerations</b> for features being developed in this sprint?

Proceeding to the final stage. The app itself improves to Encrypt backup data, enforce strict access controls for advanced features like cloud storage, and use secure APIs for external services, including backups.

To ensure data security, use encryption libraries like AES for data encryption and decryption during backup and restore processes. Implement user authentication and roles if necessary, and secure cloud storage APIs and third-party integrations with OAuth2 for secure API authentication. Track suspicious activities and securely store user logs for activity summary.

# Mobile App Development (CIS4034-N)

## Sprint Plan

### Completion Details

<b>Name:</b>	Sneha Kalaiselvan	<b>Date:</b>	29/11/2024
<b>Sprint number:</b>	4	<b>Tutor:</b>	Julien Cordy, Ranjith Dinakaran
<b>Project management tool:</b>	Trello		
<b>Git link:</b>	<a href="https://github.com/SnehaPaps/Happy-Pet.git">https://github.com/SnehaPaps/Happy-Pet.git</a>		

### Introduction

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### Sprint Details

What is the **goal** of this sprint?

*The goal of sprint 4 will be UX problems, boost performance, and add any last-minute improvements to the app to make it better. To guarantee stability, carry out extensive testing.*

What are the essential **user stories** to be completed in this sprint?

1. *Find and fix problems from earlier sprints, like crashes, UI hiccups, or inconsistent data.*
2. *Improve database queries, cut down on UI slowness, and shorten load times to maximise app performance. Enhancements to Accessibility: Include accessibility features (such as larger text options and screen reader support).*
3. *Improve already-existing features (such as appointment reminders, animations, and charts).*
4. *Get user input (from friends or testers, for example) if you can, then make minor but significant adjustments.*

What are the **security considerations** for features being developed in this sprint?

*To verify that all forms are shielded from fraudulent or incorrect inputs by using input validation.  
Session Privacy for sensitive functionality, use session timeouts or logouts after inactivity.*



# Mobile App Development (CIS4034-N)

## Sprint Plan

### Completion Details

<b>Name:</b>	Sneha Kalaiselvan	<b>Date:</b>	06/12/2024
<b>Sprint number:</b>	5	<b>Tutor:</b>	Julien Cordy, Ranjith Dinakaran
<b>Project management tool:</b>	Trello		
<b>Git link:</b>	<a href="https://github.com/SnehaPaps/Happy-Pet.git">https://github.com/SnehaPaps/Happy-Pet.git</a>		

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### Sprint Details

What is the **goal** of this sprint?

*The final goal will be preparing the app for deployment, complete documentation, and ensure it is ready for release or submission.*

What are the essential **user stories** to be completed in this sprint?

**Configure the app for release, including signing and generating a final build. Include instructions on creating pet profiles, logging appointments, and using advanced features. Provide details on app architecture, database design, APIs, and developer setup. Test the app under real-world conditions, across multiple devices and Android versions. Apply any last-minute changes based on testing and user feedback. Add a simple option in the app for users to share feedback post-release.**

What are the **security considerations** for features being developed in this sprint?

**Validate storage backup and restore functions to ensure data safety. Review and meet Google Play Store security requirements, such as data privacy compliance.**