

M2: MVP - Team Milestone 2

Team Members: Aathira Cholayil, Ali Awartani, Harshavarsni Vinayagam, Isha Ingersol, Mohamed al Musallam, Ramya Srinivasan, Xinyi Gao

S2 ranking (20%)

Walking skeleton/MVP (50%)

a short report that describes our MVP

Report on Walking Skeleton/MVP

Problem Statement:

Pet owners often struggle to find reliable and qualified pet sitters when they need to travel, while pet sitters struggle to find new clients. The current options for finding pet sitters or clients are limited, and there is a lack of an centralized platform that connects pet owners with pet sitters. This leads to frustration, inconvenience, and potential risks for both parties involved. There is a need for a reliable and user-friendly website that matches pet sitters with pet owners, making it easier for both parties to find each other and facilitate safe and efficient pet sitting services.

Introduction:

Our website is designed to provide a seamless and convenient experience for pet owners who need someone to look after their pets while they're away, and for pet sitters who are looking to take on new clients.

MVP features:

The MVP version of our website includes a homepage, 2 registration forms, (one for the pet sitters and another for pet owners) and a database of all registered users so that both parties can look for a client or pet-sitter.

Homepage:

The MVP homepage of our website gives general information about our website and allows users to choose whether they want to register as a pet sitter or a pet owner. Once they have made their selection, they will be directed to a registration form.

Registration:


The registration forms will help users to create their profile. The registration form for pet sitters includes questions about their First Name, Last name, Gender, Age, Occupation, Health conditions, Mobile number, Address, Registration, Date, and Picture. Similarly, the registration form for pet owners includes information about their pets type, Pet's age, Pet's diet, Health condition and Pet's picture.

Feed for Browsing Pet Sitters:

Our platform includes a feed for pet owners to browse and choose from potential pet sitters. The feed provides a list of available pet sitters. Pet owners will be able to use the search filters to find pet sitters who are located near them, who have experience with a certain type of pet, or who have specific availability using filters but for this MVP we will include only the list of pet-sitters and pets.

Conclusion:

In conclusion, our website's MVP version is a simple, professional, and technical solution for helping match pet sitters with pet owners. It includes a variety of features that enable pet owners to find a reliable and qualified pet sitter, and for pet sitters to find clients who need their services. However, it's important to note that the MVP version is just the beginning of our website, and we plan to add more features in the future to enhance the user experience. Some of the potential features we plan to include in future versions include a messaging system to facilitate communication between pet owners and pet sitters, a rating system to help pet owners evaluate pet sitters, and a payment system to facilitate transactions between the parties. Overall, our website's MVP version is a great starting point, and we look forward to continuously improving and expanding our website to meet the needs of both pet owners and pet sitters.


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Home
Account

Pet Sitter Registration

Please fill in the Pet Sitter form.

1. First Name *
2. Last Name *
3. Gender *

Male
5. Age *

16
6. Occupation *
7. Health Conditions * (mention if you have any allergies, disabilities, etc):
8. Mobile Number *
9. Address *
10. Registration Date
11. Attach your picture below *


选择文件 | 未选择文件

Make sure that it is clear and visible. This picture will be displayed to all pet-owners in your neighbourhood. Don't worry! It can be changed later.

By creating an account you agree to our [Terms & Conditions](#)

Register

All fields marked as * are required fields.


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Home
Account

This registration has two forms. Pet Owner form (11 questions) and the Pet Form (7 questions). In total, there are 18 questions.

Pet Owner Registration

Please fill in the Pet Owner form.

1. First Name
2. Last Name
3. Choose your gender (M:Male, F:Female, O:Other)

M
5. Choose your age

18
6. Occupation
7. Health Condition (mention if the owner has any allergies, disabilities, etc):
8. Mobile Number
9. Address
10. Registration Date
11. Attach the owner's picture below

Database Entities

```
entity PetUser {
    userId String required,
    emailId String,
    password String,
    firstName String,
    lastName String,
    gender String,
    age String,
    occupation String,
    medicalConditions String,
```

```
mobileNumber Integer,  
address String,  
registrationDate String,  
role String,  
status String}
```

```
entity Pet {  
    petId Integer required,  
    prtName String,  
    petType String,  
    petBreed String,  
    petAge Integer,  
    foodDetails String,  
    medicineDetails String,  
    status String  
}
```

```
// an ignored comment
```

```
/** not an ignored comment */
```

```
entity Payment {  
    paymentTransactionID Float required,  
    userId String,  
    petId String,  
    amount Integer,  
    paymentReference String,  
    paymentDate LocalDate,  
    receiveDate LocalDate,
```

```
    status String
}
```

```
entity Attachments {
    type String required,
    pK String,
    lineNumber Integer,
    fileName String,
    fileType String,
    data String,
    dataSize Integer
}
```

```
/**
 * Task entity.
 * @author The JHipster team.
 */
```

```
/**
 * The Employee entity.
 */
```

```
enum Language {
    FRENCH, ENGLISH, SPANISH
}
```

```
relationship OneToOne {
    PetUser{pet} to Pet
}
```

```
relationship OneToOne {
    PetUser{attachments} to Attachments
}
```

```
relationship OneToOne {  
    Pet{attachments} to Attachments  
}
```

```
relationship OneToOne {  
    Payment{attachments} to Attachments  
}
```

```
// defining multiple OneToMany relationships with comments
```

```
relationship OneToMany {  
    PetUser to Pet{petID},  
    /**  
    * A relationship  
    */  
    PetUser to  
    /**  
    * Another side of the same relationship  
    */  
    Payment{paymentTransactionID}  
}
```

```
// Set pagination options
```

```
paginate Payment with infinite-scroll
```

```
paginate PetUser, Pet with pagination
```

```
// Use Data Transfer Objects (DTO)
```

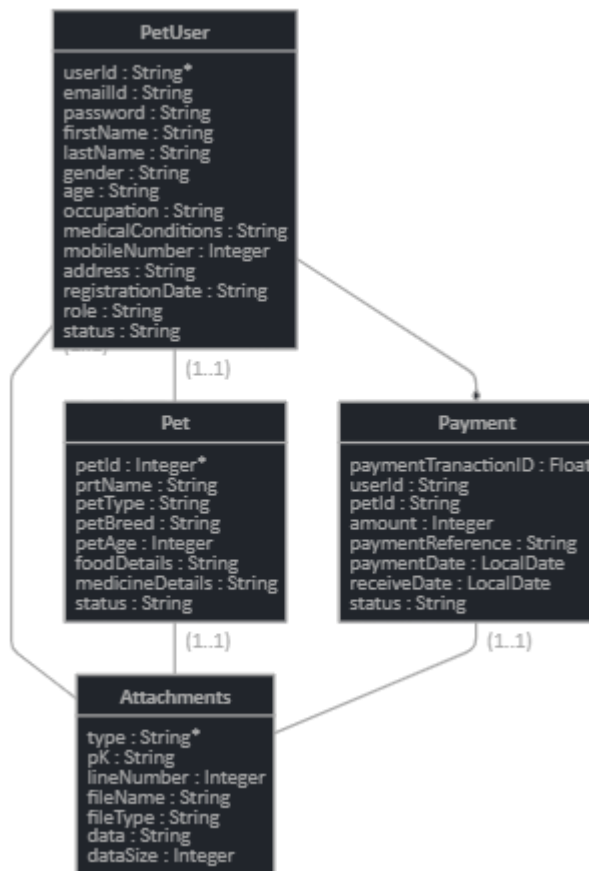
```
// dto * with mapstruct
```

```
// Set service options to all except few
```

```
service all with serviceImpl except PetUser, Pet
```

```
// Set an angular suffix
```

// angularSuffix * with mySuffix



GDPR policy & DPIA form (10%)

GDPR Policy

Company Name: Pet Mate

City, State ZIP Code: Dubai

Country: United Arab Emirates (UAE)

Phone Number: xxxxxxxxxxxxxx

Email Address: petmate@gmail.com

Website: <https://www.petmate.com>

1. Privacy Notice

This privacy notice outlines how Pet Mate collects, uses, and processes your personal data. It also explains your rights under the General Data Protection Regulation (GDPR). Please read this notice carefully.

2. What personal data do we collect?

We may collect the following personal data from you:

- Name
- Contact details (email address, phone number, mailing address)
- Payment information
- Information about your use of our products and services
- Technical data, such as your IP address, browser type, and operating system
- Any other personal data that you provide to us

3. How do we use your personal data?

We may use your personal data for the following purposes:

- To provide you with the products and services you have requested
- To process your payment
- To communicate with you about our products and services
- To personalize your experience on our website
- To improve our products and services
- To comply with legal and regulatory requirements

4. On what legal basis do we process your personal data?

We may process your personal data on the following legal bases:

- With your consent
- To fulfil a contract with you
- To comply with legal obligations
- For legitimate business interests

5. Who do we share your personal data with?

We may share your personal data with the following parties:

- Our service providers, such as payment processors and email providers
- Our business partners, with whom we collaborate to offer you products and services
- Law enforcement agencies or regulatory bodies, when required by law

6. How long do we keep your personal data?

We will keep your personal data for as long as necessary to fulfil the purposes for which it was collected, or as required by law.

7. What are your rights under the GDPR?

Under the GDPR, you have the following rights:

- The right to access your personal data
- The right to rectify your personal data if it is inaccurate or incomplete
- The right to erasure of your personal data under certain circumstances
- The right to restrict processing of your personal data under certain circumstances
- The right to data portability, which allows you to receive your personal data in a structured, commonly used, and machine-readable format
- The right to object to the processing of your personal data under certain circumstances
- The right to withdraw your consent at any time, if we are processing your personal data on the basis of consent

8. How can you exercise your rights?

If you wish to exercise any of your rights under the GDPR, please contact us using the contact details provided above.

9. How do we protect your personal data?

We have implemented appropriate technical and organizational measures to ensure the security of your personal data, and to prevent unauthorized access, disclosure, alteration, or destruction.

10. Do we transfer your personal data outside the European Economic Area (EEA)?

We may transfer your personal data to countries outside the EEA. If we do so, we will ensure that appropriate safeguards are in place to protect your personal data, such as the use of standard contractual clauses.

11. Changes to this privacy notice

We may update this privacy notice from time to time to reflect changes in our practices, or to comply with legal requirements. We will notify you of any material changes to this privacy notice by email or by posting a notice on our website.

12. Contact us

If you have any questions or concerns about this privacy notice, please contact us using the contact details provided above.

Data Protection Impact Assessment Form

Project Title: Online Pet-Sitter Marketplace

Data processing activity:

The online pet-sitter marketplace involves the processing of personal information belonging to both pet owners and pet sitters, including but not limited to:

- Pet owners: Name, email address, phone number, location, pet information (e.g., type of pet, name, breed, age, medical information), payment information, and photos.
- Pet sitters: Name, email address, phone number, location, experience with pets, availability, payment information, and photos.

Data protection risks:

- Risk of unauthorized access: Personal data could be accessed or stolen by malicious third parties, leading to identity theft, fraud, or other harm to individuals.
- Risk of data breaches: Data breaches could occur due to the use of unsecured networks, systems, or devices, leading to the loss or theft of personal data.
- Risk of inaccurate or incomplete data: Personal data could be inaccurate or incomplete due to errors, omissions, or outdated information, leading to misunderstandings or mistakes in pet-sitting arrangements.
- Risk of inadequate security measures: The security measures used to protect personal data could be inadequate or insufficient, leading to vulnerabilities or weaknesses in the system.
- Risk of insufficient legal basis: The legal basis for processing personal data could be insufficient or unclear, leading to non-compliance with data protection laws.

Measures to mitigate risks:

The following measures will be implemented to mitigate the identified risks:

- Risk of unauthorized access: Access controls will be implemented to restrict access to personal information to authorized personnel only. Strong passwords and two-factor authentication will be required for all users.

- Risk of data breaches: Secure communication protocols will be implemented to protect data in transit. Encrypted storage will be used to protect data at rest. Regular backups and disaster recovery plans will be in place.
- Risk of inaccurate or incomplete information: Information validation checks will be implemented to ensure that personal information is complete and accurate. Users will be encouraged to update their information regularly.
- Risk of inadequate security measures: Appropriate technical and organizational security measures will be implemented to protect personal information, including firewalls, antivirus software, intrusion detection and prevention systems, and regular security assessments
- Risk of insufficient legal basis: The legal basis for processing personal information will be clearly documented and communicated to users. Consent will be obtained from users where necessary. Data protection impact assessments will be conducted regularly.

Data protection impact assessment:

After evaluating the identified risks and the measures to address them, it has been determined that the online platform for matching pet sitters with pet owners presents a moderate level of risk to the privacy and data protection rights of individuals. Nevertheless, the proposed measures are adequate to address the identified risks and ensure adherence to data protection regulations.

Conclusion:

Our online pet-sitting matching platform will undergo continuous development and risk evaluation, with corresponding measures to address any identified data protection concerns. We will review and update the measures outlined in this DPIA as necessary to maintain compliance with data protection laws and industry standards.

Meeting diary (10 %)

diary entries that show the team have been able to meet regularly

Meeting Diary: Teamd09-22

Meeting 1	
Date	9th February 2023

Time	11:50 AM - 12:43 PM
Venue	Room: 1206/07, University of Birmingham Dubai Campus
Attendees	Meeting Chair: Ali Awartani Secretary: Mohamed al Musallam Other Participants: Aathira Cholayil, Harshavarsni Vinayagam, Isha Ingersol, Ramya Srinivasan, Xinyi Gao
Discussions	<ul style="list-style-type: none"> Put forth various ideas on what the project could be about. Evaluated the positive and negative sides of each member's ideas.
Decisions made	The software will be based on pet-owners being able to find pet-sitters located nearby whose availability matches pet-owners' requirements.

Meeting 2

Date	10th February 2023
Time	03:57 PM - 04:42 PM
Venue	Online - Zoom https://us04web.zoom.us/j/73810350676?pwd=XJQ3yt5GMXUtaFPFerYbASHBbVeG1s.1
Attendees	Meeting Chair: Ramya Srinivasan Secretary: Xinyi Gao Other Participants: Aathira Cholayil, Ali Awartani, Harshavarsni Vinayagam, Isha Ingersol, Mohamed al Musallam
Discussions	<ul style="list-style-type: none"> Listed out features to be implemented in the web-application. Decided on which feature each person would make a mock-up about.
Decisions made	Seven features were decided based on which each member would make a mockup.

Meeting 3 (Tutor Meeting)

Date	13th February 2023
Time	12:00 PM - 12:20 PM

Venue	Online - Zoom
Attendees	Meeting Chair: Prof. Niloofer Shanavas Other Participants: Aathira Chalayil, Ali Awartani, Harshavarsni Vinayagam, Isha Ingersol, Mohamed al Musallam, Ramya Srinivasan, Xinyi Gao
Agenda	To meet the tutor assigned and share project idea.
Discussions	<ul style="list-style-type: none"> Explained project idea to the tutor. Clarified doubts regarding connecting to GitLab and creation of Kanban Cards
Meeting 4	
Date	13th February 2023
Time	12:29 PM - 01:15 PM
Venue	Online - Zoom https://us04web.zoom.us/j/79755681877?pwd=bx5qvbUfCRwReiZwMI9C6db_sLvwtbg.1
Attendees	Meeting Chair: Isha Ingersol Secretary: Aathira Chalayil Other Participants: Ali Awartani, Harshavarsni Vinayagam, Mohamed al Musallam, Ramya Srinivasan, Xinyi Gao
Discussions	<ul style="list-style-type: none"> How data will be obtained from real users to create personas Age group primarily interested in targeting for the persona Accessibility features that are likely to be implemented in the web-application
Decision made	Group decided to create an online survey and obtain details from known people to obtain data for the personas and that the application is primarily for users aged 18 and above.
Meeting 5 (Tutor Meeting)	
Date	14th February 2023
Time	03:30 PM - 04:00 PM
Venue	Room: 0410, University of Birmingham Dubai Campus

Attendees	Meeting Chair: Prof. Nilofer Shanavas Other Participants: Aathira Choleyil, Ali Awartani, Harshavarsni Vinayagam, Isha Ingersol, Mohamed al Musallam, Ramya Srinivasan, Xinyi Gao
Agenda	To provide tutor with an update on progress of Individual Submission-1
Discussions	<ul style="list-style-type: none"> Discussed elements of the submission that were completed and that which were remaining for the group. Shared mock-ups created so far with the tutor.
Meeting 6	
Date	21st February 2023
Time	12:04 PM - 12:30 PM
Venue	Room: 2203/04, University of Birmingham Dubai Campus
Attendees	Meeting Chair: Harshavarsni Vinayagam Secretary: Aathira Choleyil Other Participants: Ali Awartani, Isha Ingersol, Mohamed al Musallam, Ramya Srinivasan, Xinyi Gao
Discussion	<ul style="list-style-type: none"> Understanding the requirements of M1: Team Milestone 1 Decided on how S1 ranking is to be done for the assignment
Meeting 7	
Date	21st February 2023
Time	03:10 PM – 04:00 PM
Venue	Room: 0410, University of Birmingham Dubai Campus
Attendees	Meeting Chair: Aathira Choleyil Secretary: Ramya Srinivasan Other Participants: Ali Awartani, Harshavarsni Vinayagam, Isha Ingersol, Mohamed al Musallam, Xinyi Gao
Agenda	Features to be developed in the web application by each group member

Discussions	<ul style="list-style-type: none"> • Divided parts of the M1 assignment among the group • Agreed on coherent design for the mock-ups • Decided on development tasks for S2 for each member
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Decisions made	Features mentioned in mockups and additional features were divided amongst the group following vertical slice technique and further division of tasks and estimation of time required for each task to be done next week .
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Meeting 8	
Date	25th February 2023
Time	04:10 PM – 05:00 PM
Venue	Online - Zoom
Attendees	Meeting Chair: Isha Ingersol Secretary: Harshavarsni Vinayagam Other Participants: Aathira Choleyil, Ali Awartani, Mohamed al Musallam, Ramya Srinivasan, Xinyi Gao
Agenda	Features to be developed in the web application by each group member
Discussions	<ul style="list-style-type: none"> • Divided parts of the S2: MVP - Individual Submission 2 among the group • Agreed on the front-end framework to be used.
Decisions made	Divided the topics for the tech research report based on the list of topics provided, and discussed how to do the development prep required for the S2 submission. Discussed and decided to use Angular as the front-end framework.

Meeting 9	
Date	04th March 2023
Time	04:57 PM – 05:43 PM
Venue	Online - Zoom
Attendees	Meeting Chair: Ramya Srinivasan Secretary: Aathira Choleyil Other Participants: Ali Awartani, Harshavarsni Vinayagam, Isha Ingersol, Mohamed al Musallam, Xinyi Gao

Agenda	Features to be developed in the web application by each group member
Discussions	<ul style="list-style-type: none"> Divided parts of the M2 assignment among the group
Decisions made	Decided the S2 Ranking and the S3 Task Allocation.

Meeting 10	
Date	12th March 2023
Time	04:33 PM – 05:01 PM
Venue	Online - Zoom
Attendees	Meeting Chair: Ramya Srinivasan Secretary: Isha Ingersol Other Participants: Ali Awartani, Harshavarsni Vinayagam, Mohamed al Musallam, Xinyi Gao
Agenda	Progress of each member regarding the second team milestone.
Discussions	<ul style="list-style-type: none"> Discussed the M2 assignment among the group.
Decisions made	Clarified all doubts each team member had regarding the M2 assignment.

Meeting 11 (Tutor Meeting)	
Date	14th March 2023
Time	02:00 PM - 02:14 PM
Venue	Online - Zoom
Attendees	Meeting Chair: Prof. Niloofer Shanavas Other Participants: Ali Awartani, Harshavarsni Vinayagam, Isha Ingersol, Mohamed al Musallam, Ramya Srinivasan, Xinyi Gao
Agenda	To provide tutor with an update on progress of M2: MVP - Team Milestone 2

Discussions	<ul style="list-style-type: none"> Discussed elements of the submission that were completed and that which were remaining for the group. Clarified doubts regarding this milestone.
Meeting 12	
Date	15th March 2023
Time	05:36 PM - 05:55 PM
Venue	Online - Zoom
Attendees	Meeting Chair: Ali Awartani Secretary: Mohamed al Musallam Other Participants: Aathira Chalayil, Harshavarsni Vinayagam, Isha Ingersol, Ramya Srinivasan, Xinyi Gao

Discussions	<ul style="list-style-type: none"> Discussed the progress of each member regarding the second team milestone.
Decisions made	Verified the team member's work and recommended modifications.

S3 task allocation & planning (10%)

a snapshot of the Kanban board and cards that shows how development tasks/features for S3 are allocated in the team

Development

Search

To-Do

45

Implementaion of Requests
Inbox(Backend)

backend

#21 Apr 15 3w

Designing the visual elements of home
page

frontend

#56 Apr 1 1w

Adding functionality to the Buttons on
home page

backend

#55 Mar 31 1w 1d

Developing the dynamic view

frontend

#57 Mar 31 1w

S3-Payment Feature development

#113 Apr 26 4w

Testing and Debugging(Chats)

#112 Apr 20 1w 1d

Work in progress

11

Settings layout

Settings frontend

#58 2d

Payment page layout

Payment frontend

#64 2d

Inbox
Requests(pending/accepted/declined) -
Aathira

#42 Apr 20 4w

Home Page - Ramya

#41 Apr 20 2w 3d

Login Feature-Ramya

#37 Monday

Payment Page - Xinyi

#47 Apr 20

Feed / Search page for pet owners (filter

Completed

39

Complete JHipster Setup

#19

S2 Planning - All

#53

S1 Ranking - Xinyi

#48

JHipster set up

#35

Aathira-Development prep: tech stack/CI




#104

Implement submit button

#96 1w 1d

Complete JHipster Setup


#27

 Open  Issue created 4 minutes ago by  Aathira Choleyil


Close issue

Database for Requests Inbox



 0  0 


Create merge request

 Drag your designs here or [click to upload](#).

Tasks  0

Add

No tasks are currently assigned. Use tasks to break down this issue into smaller parts.

Linked items  0






Add

Link issues together to show that they're related. [Learn more](#).

Activity


Sort or filter

 Aathira Choleyil added [database](#) label 4 minutes ago

 Aathira Choleyil @axc1228 · just now Author Maintainer    
this database will contain details regarding requests inbox, such as accepted requests, declined requests and pending requests.

 Aathira Choleyil assigned to [@axc1228](#) 2 minutes ago

 Aathira Choleyil @axc1228 · just now Author Maintainer    
use PostgreSQL rdbsms

 Aathira Choleyil changed due date to April 15, 2023 just now


 Aathira Choleyil changed time estimate to 2w just now

Write Preview

B *I*          

Write a comment or drag your files here...

Add a to do

Assignee  Aathira Choleyil Edit

Labels [database](#) Edit

Milestone None Edit

Weight This feature is locked. [Learn more](#)

Due date Apr 15, 2023 - remove due date Edit

Time tracking Estimated: 2w +

Confidentiality  Not confidential Edit

Lock issue Unlocked Edit

Notifications 

1 participant

Reference: team-projects-2022... 

Move issue

Open Issue created 50 minutes ago by Aathira Cholayil

Close issue

Database for payments

0 0

Create merge request

Drag your designs here or [click to upload](#).

Tasks 0

Add

No tasks are currently assigned. Use tasks to break down this issue into smaller parts.

Linked items 0

Add

Link issues together to show that they're related. [Learn more](#).

Activity

Sort or filter

Aathira Cholayil added database label 50 minutes ago

Aathira Cholayil assigned to @xxg077 47 minutes ago

Aathira Cholayil @axc1228 · 43 minutes ago
this database will contain details regarding payments,such as payment history,saved payment information etc

Aathira Cholayil @axc1228 · 33 minutes ago
use PostgreSQL rdbms

Aathira Cholayil changed due date to April 15, 2023 29 minutes ago

Aathira Cholayil changed time estimate to 2w just now

Write Preview

B *I* S **I** `</>` [Link](#) [List](#) [List](#) [List](#) [Image](#) [Table](#) [Code](#) [Link](#)

Write a comment or drag your files here...

Add a to do

>>

Assignee

Edit

Xinyi Gao

Labels

Edit

database

Milestone

Edit

None

Weight

This feature is locked. [Learn more](#)

Due date

Edit

Apr 15, 2023 - remove due date

Time tracking

+

Estimated: 2w

Confidentiality

Edit

Not confidential

Lock issue

Edit

Unlocked

Notifications

☒

2 participants

Reference: team-projects-2022...

Move issue

Open Issue created 1 week ago by Ramya Srinivasan

Close issue

Testing and Debugging(home page)

0 0

Create merge request

Drag your designs here or [click to upload](#).

Tasks 0

Add

No tasks are currently assigned. Use tasks to break down this issue into smaller parts.

Linked items 0

Add

Link issues together to show that they're related. [Learn more](#).

Activity

Sort or filter

Ramya Srinivasan added To-Do label 1 week ago

Ramya Srinivasan assigned to @rxs008 1 week ago

Aathira Cholayil added debug label 1 hour ago

Aathira Cholayil changed title from **Testing and Debugging** to **Testing and Debugging(home page)** just now

Aathira Cholayil changed due date to April 20, 2023 just now

A Aathira Cholayil @axc1228 · just now
the code used in implementing the home page goes through testing and debugging

Maintainer

Write Preview

B *I*

Add a to do



Assignee

Edit

Ramya Srinivasan

Labels

Edit

debug To-Do

Milestone

Edit

None

Weight

This feature is locked. [Learn more](#)

Due date

Edit

Apr 20, 2023 - remove due date

Time tracking

+

Estimated: 1w 1d

Confidentiality

Edit

Not confidential

Lock issue

Edit

Unlocked

Notifications



1 participant



Reference: team-projects-2022-23/...

Move issue