



Universidade do Minho
Escola de Engenharia

Petit

ENGENHARIA DE APLICAÇÕES
2021/22

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The background is a light cream color with several large, soft-edged pastel shapes: a pink one at the top, a yellow one on the right, and a light blue one on the left. There are also small decorative elements: two pink paw prints, a cluster of red dots in the bottom right, a green plant-like shape at the bottom center, and a red spiral in the bottom left.

01.

Introdução

CONTEXTUALIZAÇÃO



Motivação: Auxiliar as pessoas através de serviços dedicados ao cuidado e atenção dos animais

Objetivo: Criação de uma plataforma

- Petsitter é capaz de publicar um anúncio com os serviços que presta e os tipos de animais que cuida.
- Cliente consegue consultar anúncios de vários petsitters e fazer pedidos.
- Tanto o cliente como o petsitter conseguem consultar as suas marcações.
- O cliente pode criar um perfil para cada um dos seus animais.



Bath & Shear



Training



Companion



CARACTERIZAÇÃO DOS UTILIZADORES



Petsitter

- Fornece serviços de petsitting
- Entre os 18 e 60 anos
- Gosta de animais
- Tem tempo livre



Cliente

- Requisita serviços de petsitters
- Entre os 18 e 70 anos
- Tem animais domésticos
- Tem pouco tempo livre

The background is a light cream color with several large, soft-edged pastel shapes: a pink one at the top, a yellow one on the right, and a light blue one on the left. There are also small decorative icons: two pink paw prints, a green plant-like shape at the bottom center, a red flower-like shape at the bottom right, and a red spiral shape at the bottom left.

02.

Modelação

The background is a light cream color decorated with various pastel-colored shapes and icons. There are large light blue circles in the top-left and bottom-left corners, a large yellow circle in the top-right, and a large light pink circle in the bottom-right. Scattered throughout are several small pink paw prints and clusters of small red dots. A small green plant icon is located at the bottom center.

Modelação Arquitetural

MODELO DE DOMÍNIO

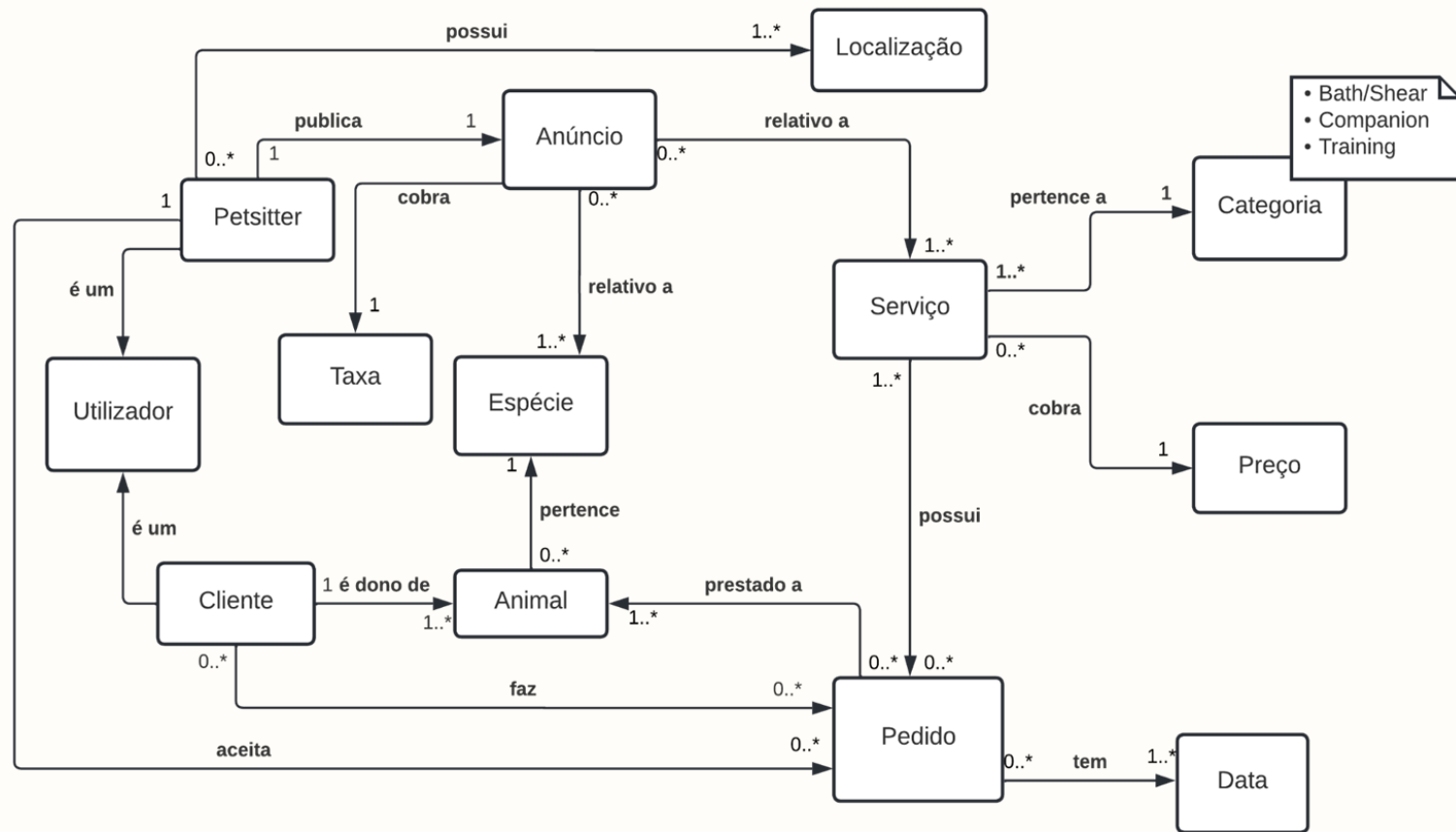


DIAGRAMA DE *USE CASES*

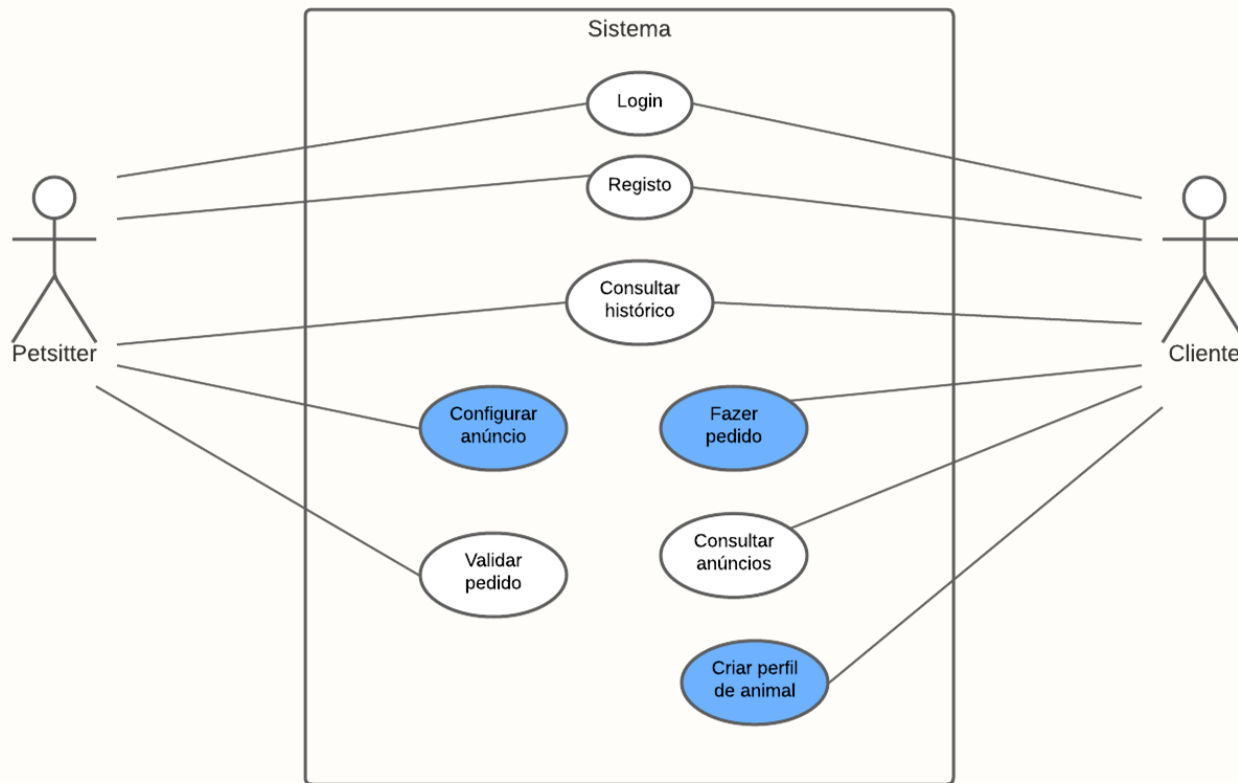


DIAGRAMA DE COMPONENTES

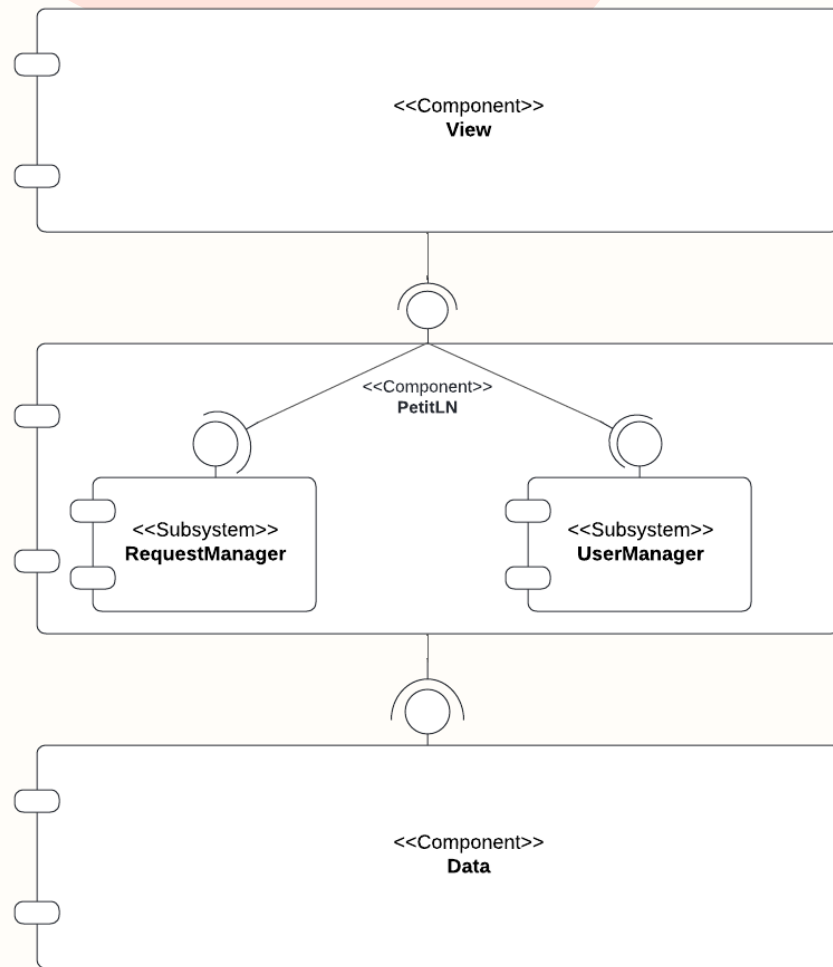
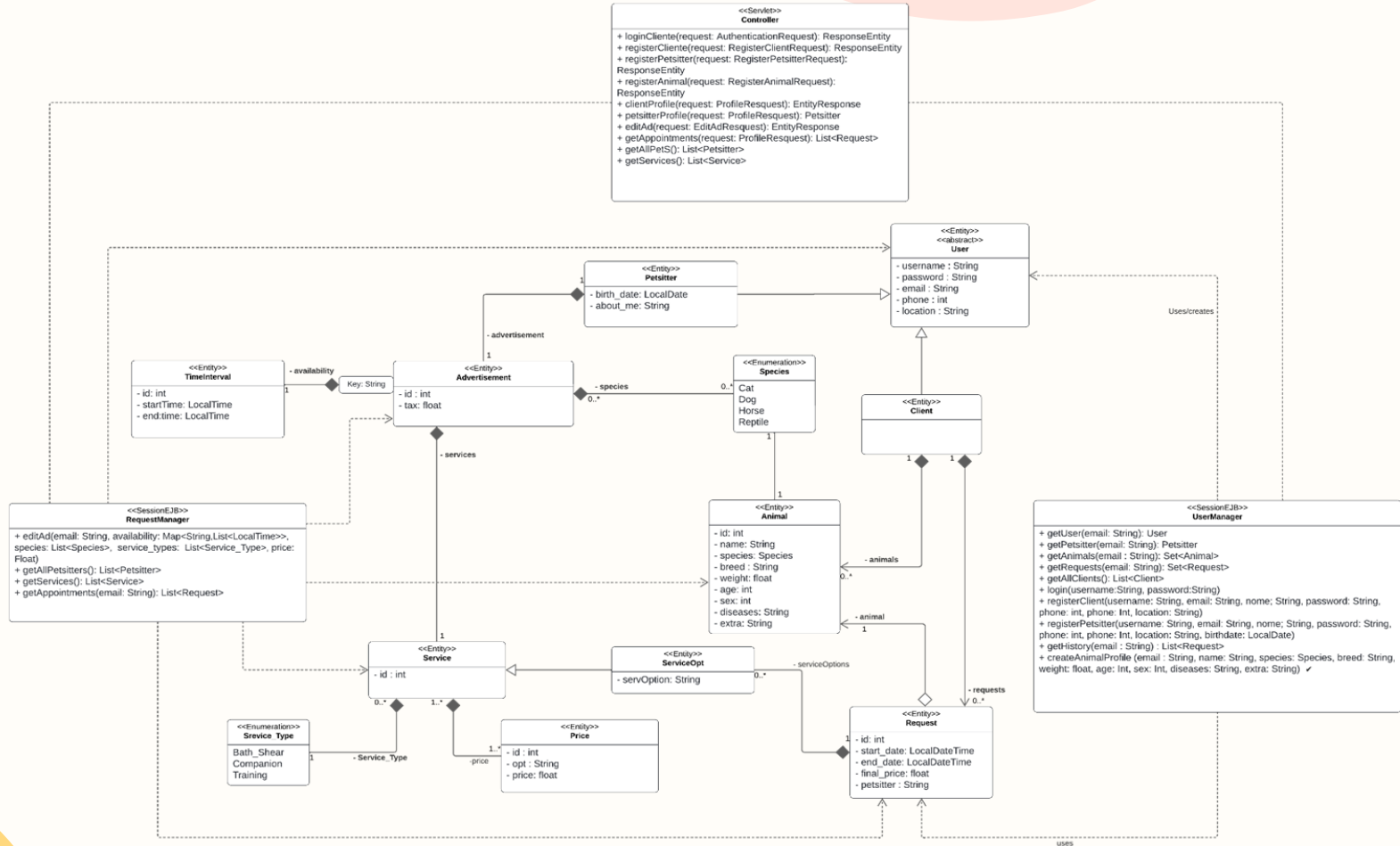


DIAGRAMA DE CLASSES

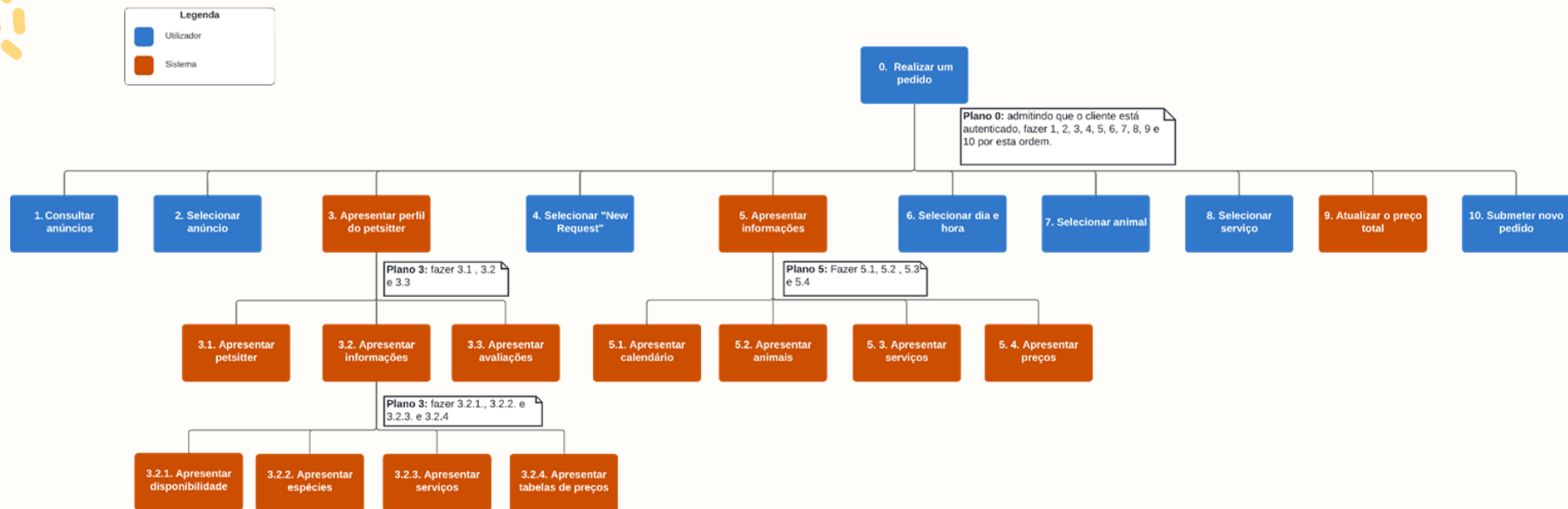


The background is a light cream color decorated with various pastel-colored shapes and icons. On the left, there are several light blue circles and ovals of different sizes. In the top center, there is a yellow irregular blob. On the right, there is a yellow shape at the top and a large pink circle at the bottom. Scattered throughout are small pink paw prints and clusters of red dots. At the bottom center, there is a small green plant-like icon.

Modelação da Interface

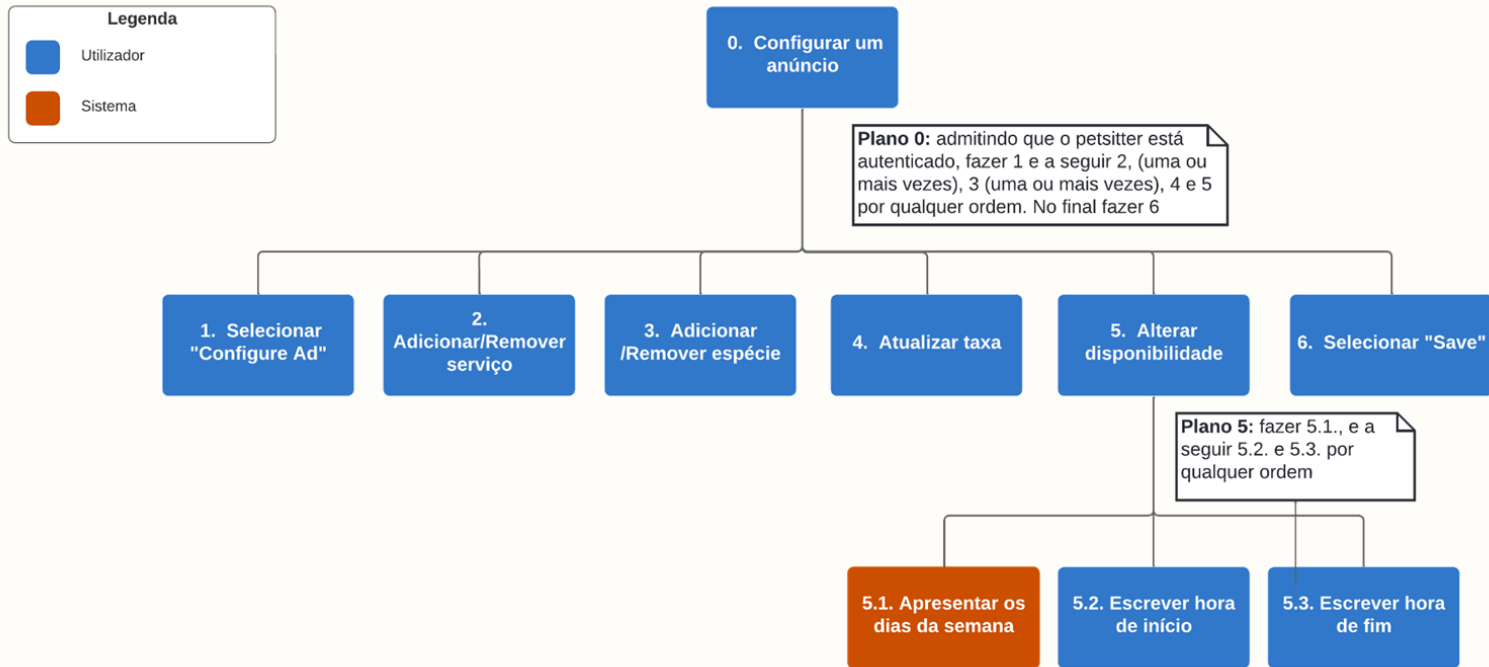
MODELO DE TAREFAS

A. Realizar um pedido



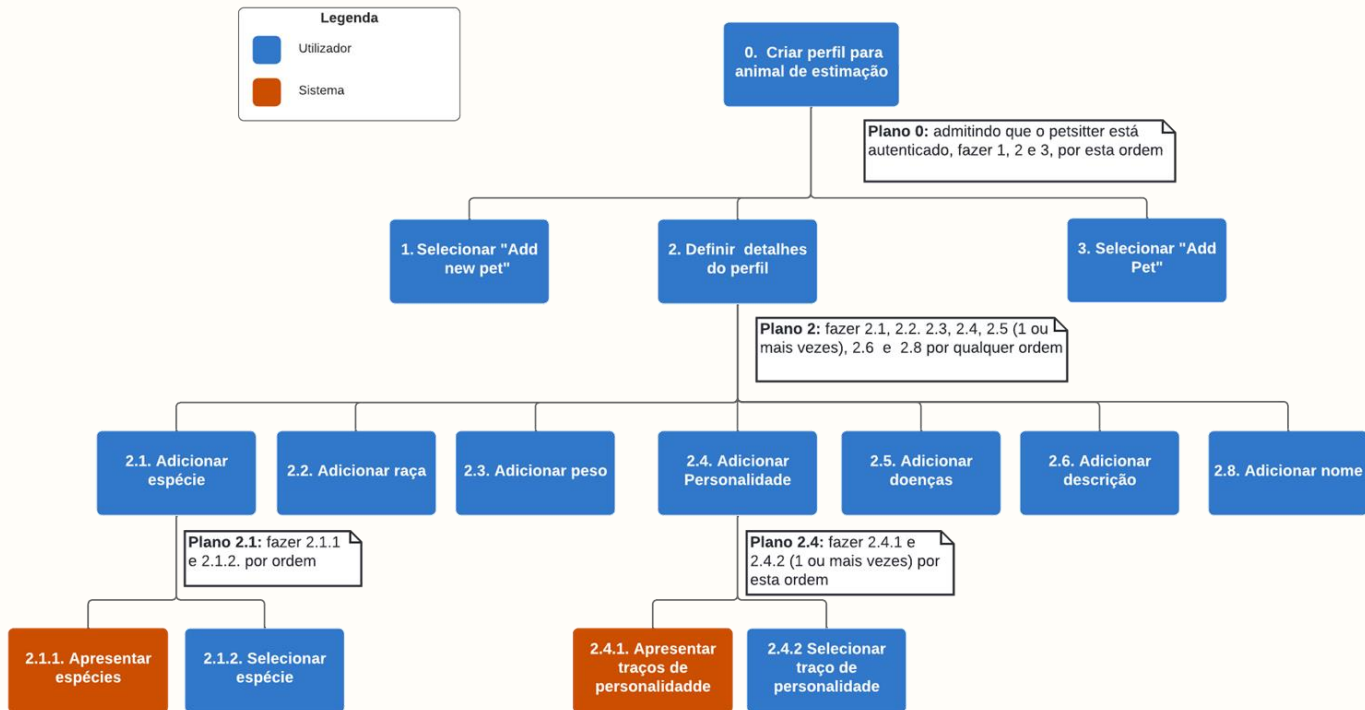
MODELO DE TAREFAS

B. Configurar um anúncio



MODELO DE TAREFAS

C. Criar perfil para o animal



MOCKUPS

A. Registrar cliente e *petsitter*

Petit

Petit

Petsitter Client

First and Last Name

E-mail

Password

Phone number

City, Country

Join now

Already have an account? [Login](#)

© 2022 Petit.com™ Terms of service Privacy

Petit

Petit

Petsitter Client

First and Last Name

E-mail

Password

Phone number

City, Country

Date of birth (dd/mm/yyyy)

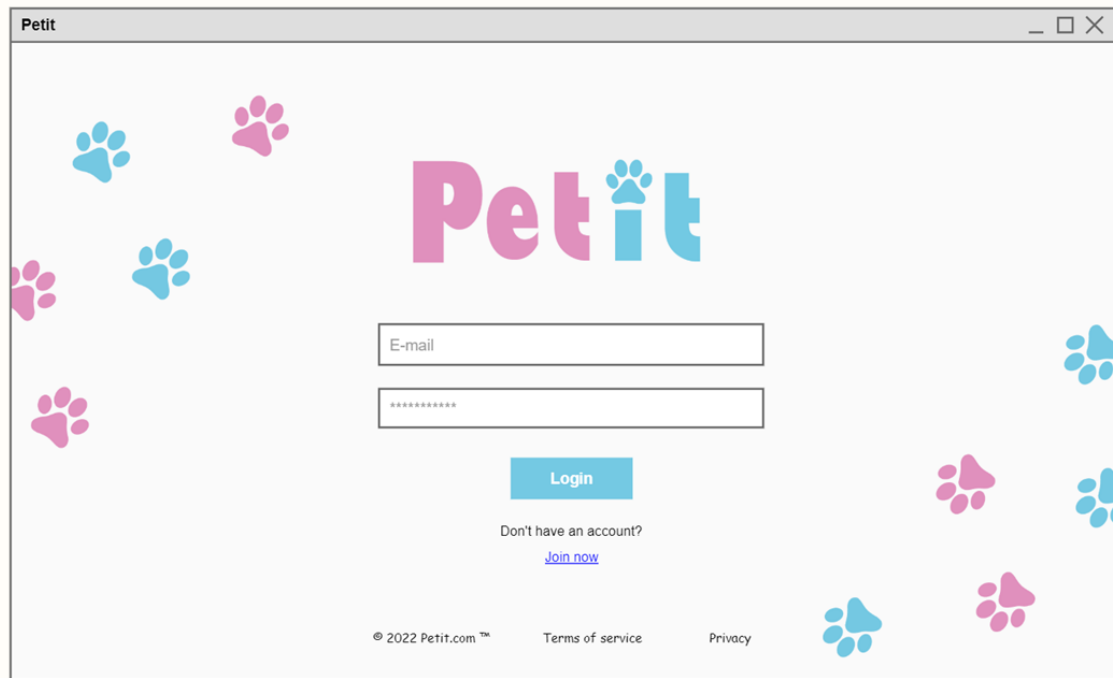
Join now

Already have an account? [Login](#)

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MOCKUPS

B. Login



A mockup of a login page for a website called "Petit". The page is displayed within a browser window frame with a title bar that says "Petit" and standard window controls (minimize, maximize, close). The background is light gray and decorated with several colorful paw prints in shades of blue and pink. The "Petit" logo is centered at the top, with "Pet" in pink and "it" in blue, where the "i" is replaced by a blue paw print. Below the logo are two input fields: the first is labeled "E-mail" and the second is masked with "*****". A blue "Login" button is positioned below the input fields. Underneath the button, there is a link that says "Don't have an account? [Join now](#)". At the bottom of the page, there is a footer containing the copyright notice "© 2022 Petit.com™", a link to "Terms of service", and a link to "Privacy".

Petit

Petit

E-mail

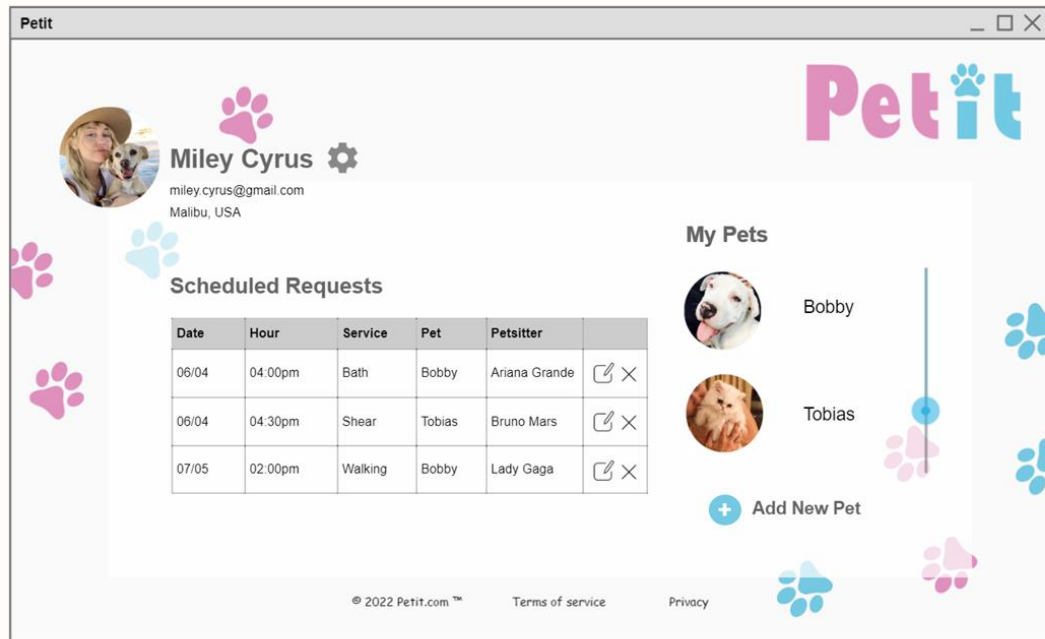
Login

Don't have an account?
[Join now](#)

© 2022 Petit.com™ Terms of service Privacy

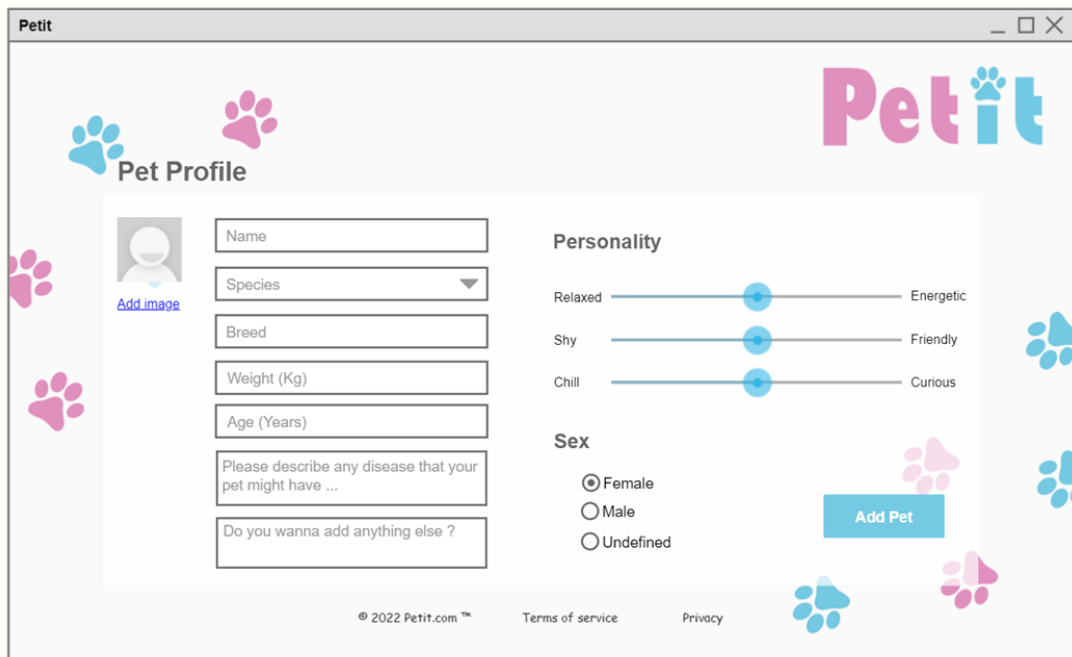
MOCKUPS

C. Perfil do cliente



MOCKUPS


D. Criar perfil de animal



The mockup shows a web form titled "Petit" for creating a pet profile. The form is decorated with colorful paw prints. It includes a profile picture placeholder with an "Add image" link, and input fields for Name, Species (a dropdown menu), Breed, Weight (Kg), and Age (Years). There are also text areas for describing diseases and other notes. The "Personality" section features three sliders for Relaxed vs. Energetic, Shy vs. Friendly, and Chill vs. Curious. The "Sex" section has radio buttons for Female, Male, and Undefined. A blue "Add Pet" button is located at the bottom right of the form area. The footer contains copyright information and links to Terms of service and Privacy.

Petit

Pet Profile

 [Add image](#)

Name

Species

Breed

Weight (Kg)

Age (Years)

Please describe any disease that your pet might have ...

Do you wanna add anything else ?

Personality

Relaxed Energetic

Shy Friendly

Chill Curious

Sex

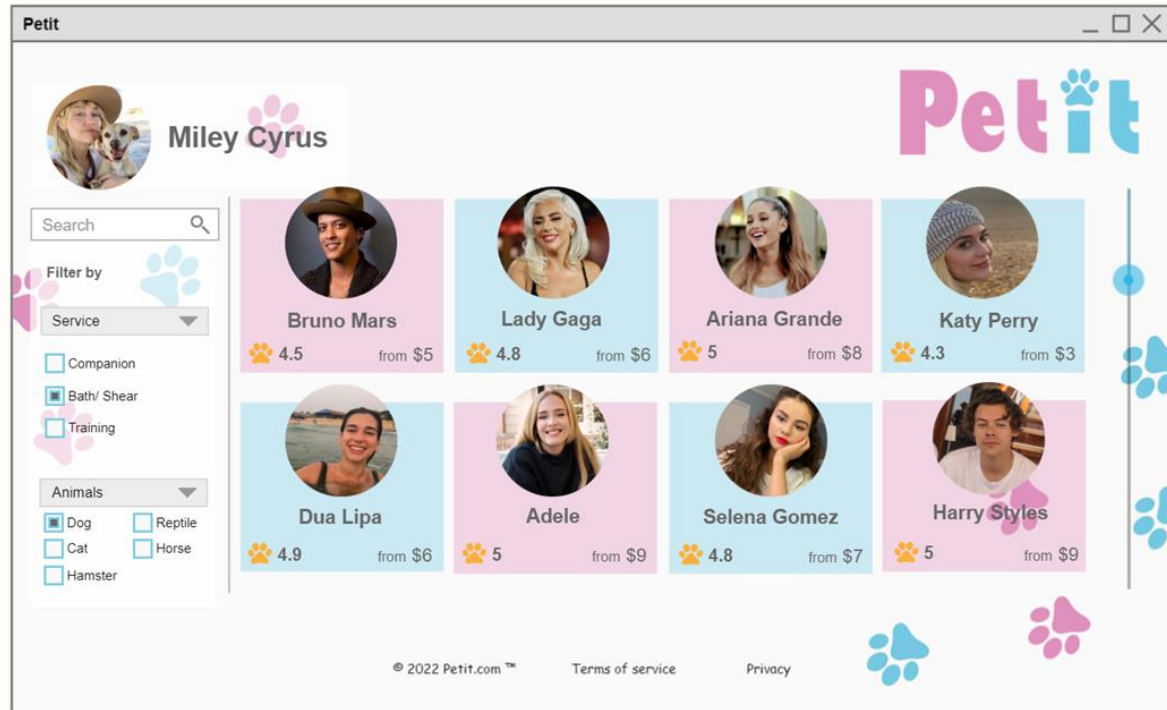
☒ Female
☐ Male
☐ Undefined

[Add Pet](#)

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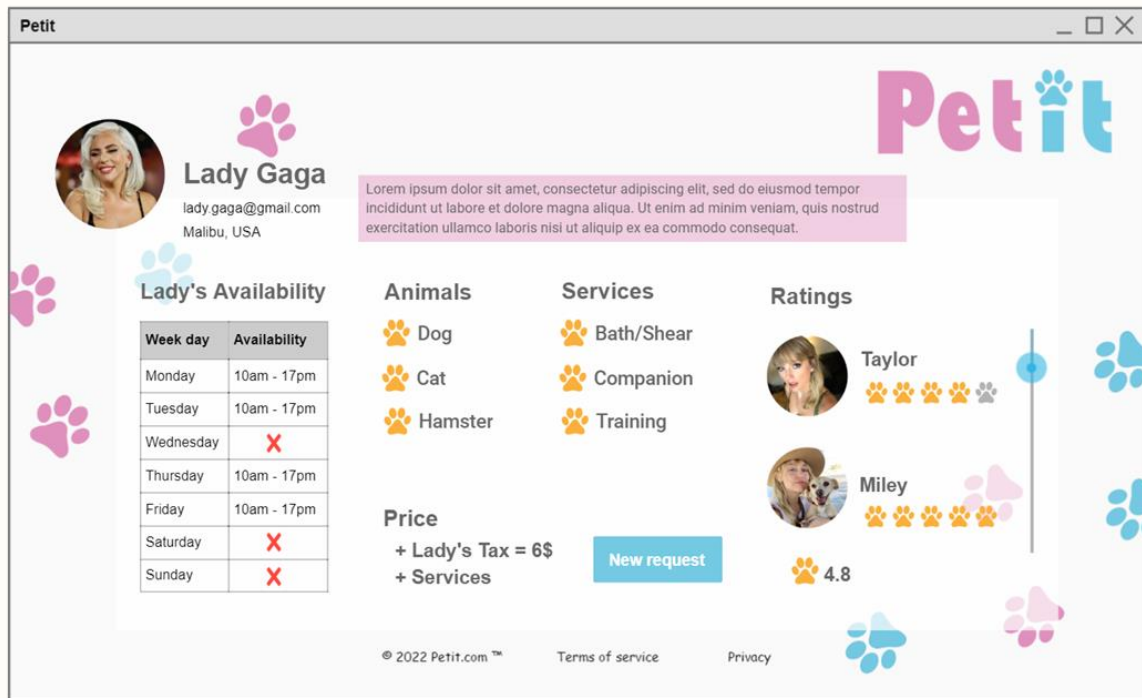
MOCKUPS

E. Página Inicial



MOCKUPS

F. Consultar anúncio do petsitter



MOCKUPS

G. Realizar pedido

Petit

Petit

1. Select dates


AUG - 2022


S	M	T	W	T	F	Sa
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10

Start (hh:mm)

End (hh:mm)

2. Select your pets

 Bobby

 Tobias

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3. Select the service

Bath/Shear	Price	
> 5 kg	5 \$	<input type="checkbox"/>
> 10kg	5 \$	<input type="checkbox"/>
> 15kg	5 \$	<input type="checkbox"/>

Companion	Price	
1-3h	5 \$	<input type="checkbox"/>
4-10h	5 \$	<input type="checkbox"/>
10-24h	5 \$	<input type="checkbox"/>

Training	Price	
Per hour	5 \$	<input type="checkbox"/>

+ Tax = 6\$

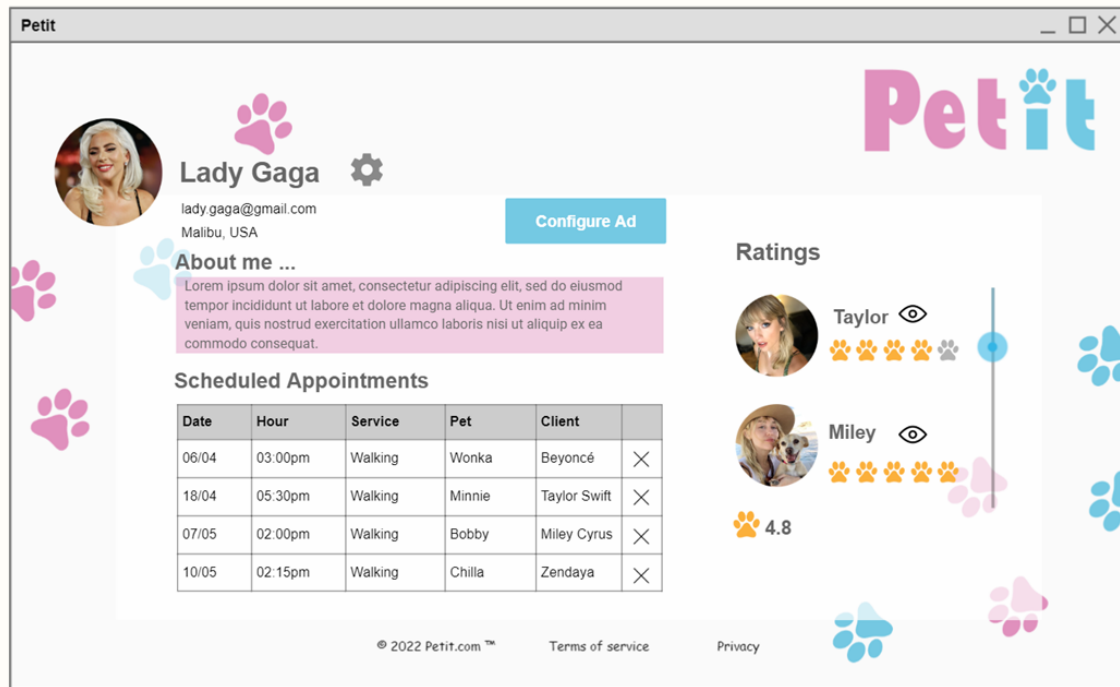
TOTAL = 11 \$

Cancel Submit

Terms of service Privacy


MOCKUPS

H. Perfil do petsitter










MOCKUPS

I. Editar anúncio



Ad Configuration

Your Availability

 Monday	<input type="text" value="Start (hh:mm)"/> <input type="text" value="End (hh:mm)"/>	 Friday	<input type="text" value="Start (hh:mm)"/> <input type="text" value="End (hh:mm)"/>
 Tuesday	<input type="text" value="Start (hh:mm)"/> <input type="text" value="End (hh:mm)"/>	 Saturday	<input type="text" value="Start (hh:mm)"/> <input type="text" value="End (hh:mm)"/>
 Wednesday	<input type="text" value="Start (hh:mm)"/> <input type="text" value="End (hh:mm)"/>	 Sunday	<input type="text" value="Start (hh:mm)"/> <input type="text" value="End (hh:mm)"/>
 Thursday	<input type="text" value="Start (hh:mm)"/> <input type="text" value="End (hh:mm)"/>		

Animals

- ☒ Dog
- ☒ Cat
- ☒ Hamster

Services

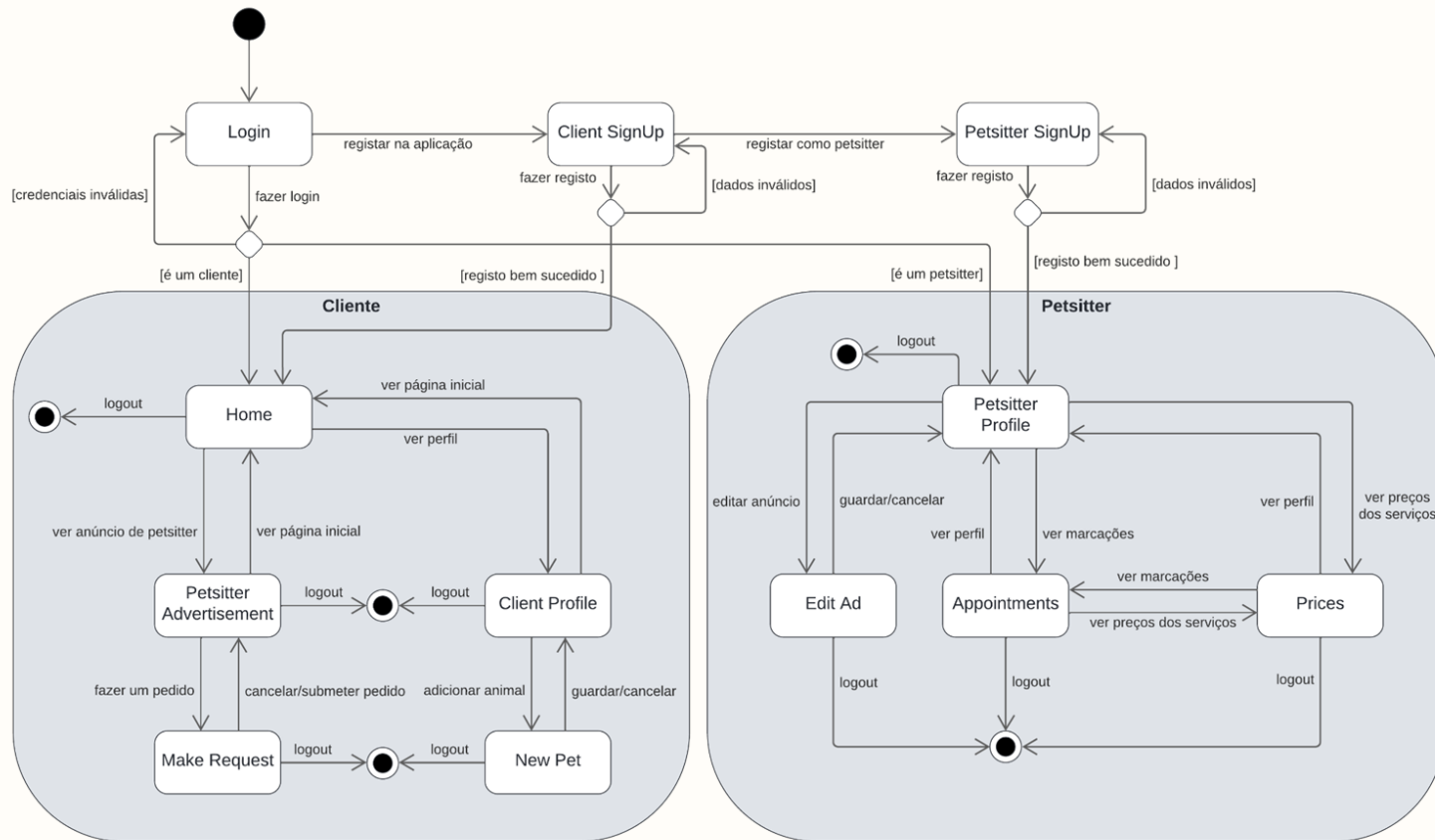
- ☒ Bath/Shear
- ☒ Companion
- ☒ Training

Price

Your Tax =

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MÁQUINA DE ESTADO

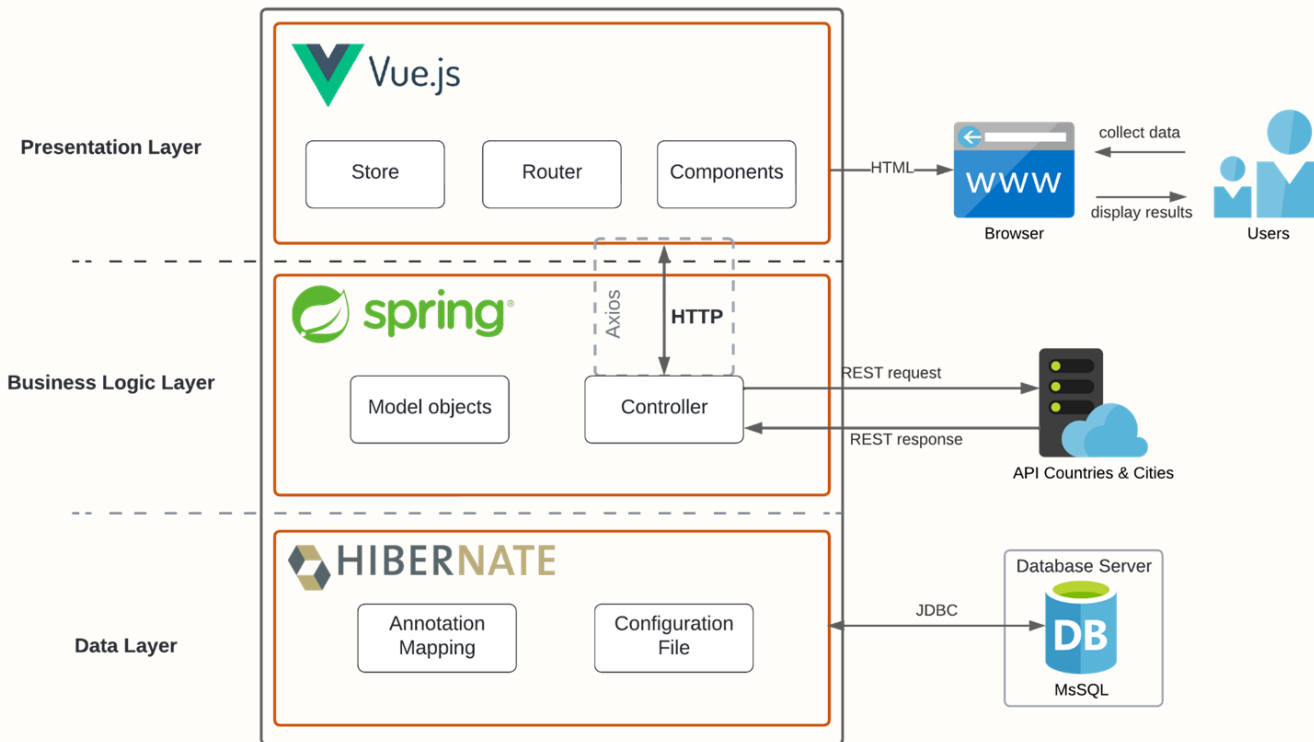


The background is a light cream color with several large, soft-edged pastel shapes: a pink one at the top, a yellow one on the right, and a light blue one on the left. Scattered around are small icons: two pink paw prints, a green plant-like shape at the bottom center, a red flower-like shape at the bottom right, and a red spiral shape at the bottom left.

03.

Arquitetura

DIAGRAMA DA ARQUITETURA

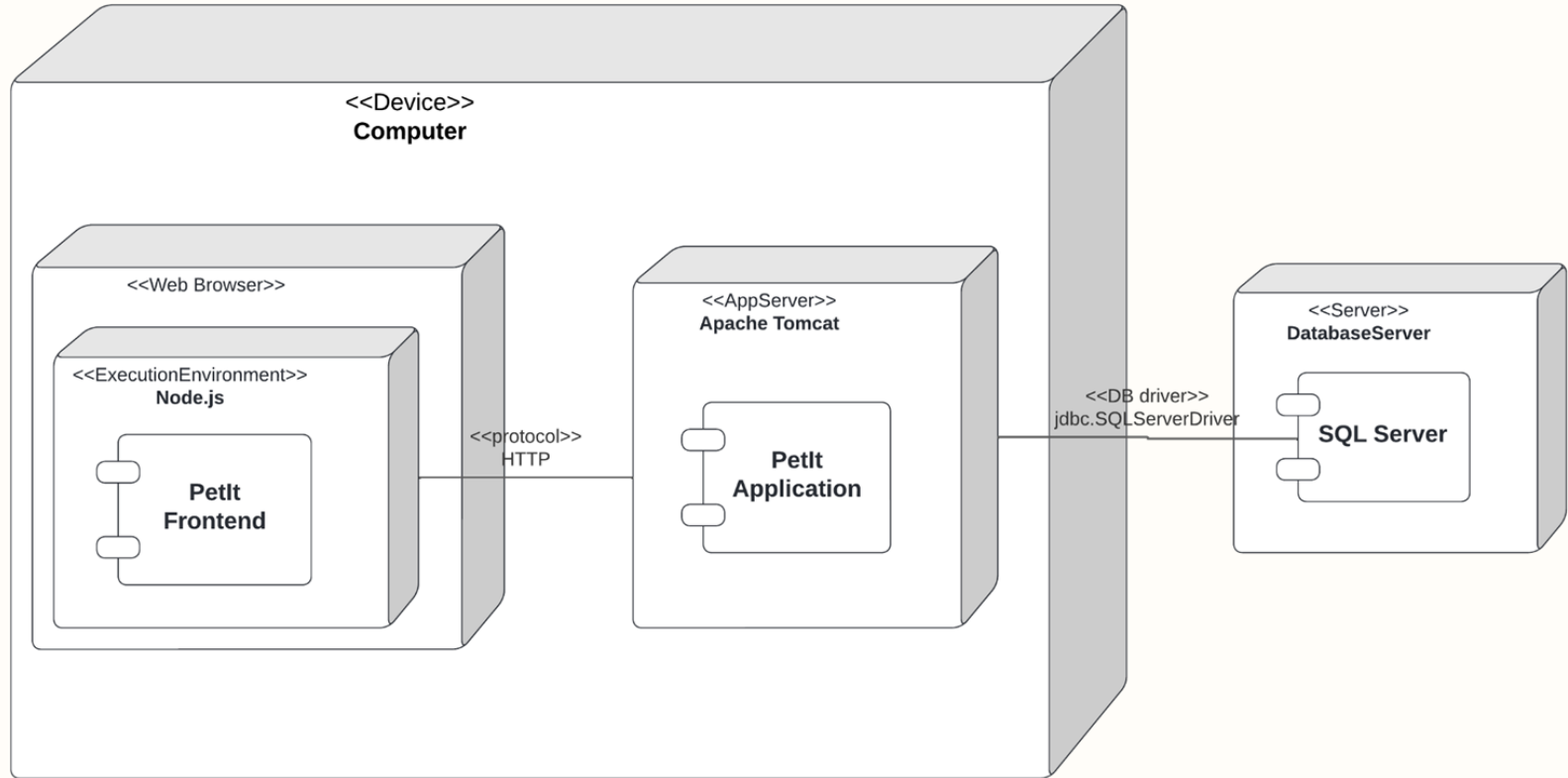



The background is a light cream color with several large, soft-edged pastel shapes: a pink one at the top, a yellow one on the right, and a light blue one on the left. Scattered throughout are small, stylized icons: two pink paw prints, a green plant-like shape at the bottom center, a red flower-like shape at the bottom right, and a red swirl at the bottom left.

04.

Deployment

DIAGRAMA DE DEPLOYMENT



The background is a light cream color with several large, soft-edged abstract shapes in pastel colors: a large pink shape at the top, a large yellow shape on the right, and a light blue shape on the left. There are also several small decorative icons: two pink paw prints, a green plant-like icon at the bottom center, a red spiral icon at the bottom left, and a cluster of red dots at the bottom right.

05.

Análise Crítica

ANÁLISE DA CONCORRÊNCIA

Funcionalidade: *Fazer Pedido*

Nº Threads	5	10	50	125	250
Tempo médio de resposta (s)	10.4	12.7	38.6	89.9	179.6
Throughput (requests/min)	46.5	66.0	84.0	90.0	96.0
Abort Rate (%)	80.0%	90.0%	98.0%	99.2%	99.6%

```
MakeReqRequest{email='helena@gmail.com', petsitterId='baltasartorquato@gmail.com', date=2022-07-01, startTime=09:00, endTime=11:00, petSelected=188, serviceType='Bath_Shear', opt='7-15', total=20.91}
MakeReqRequest{email='helena@gmail.com', petsitterId='baltasartorquato@gmail.com', date=2022-07-01, startTime=09:00, endTime=11:00, petSelected=188, serviceType='Bath_Shear', opt='7-15', total=20.91}
MakeReqRequest{email='helena@gmail.com', petsitterId='baltasartorquato@gmail.com', date=2022-07-01, startTime=09:00, endTime=11:00, petSelected=188, serviceType='Bath_Shear', opt='7-15', total=20.91}
MakeReqRequest{email='helena@gmail.com', petsitterId='baltasartorquato@gmail.com', date=2022-07-01, startTime=09:00, endTime=11:00, petSelected=188, serviceType='Bath_Shear', opt='7-15', total=20.91}
[REQUESTMANAGER] : Request adicionado com sucesso:
```

ANÁLISE DA CARGA

1. Interação Cliente:

Nº Threads	50	100	150	200	250
Tempo médio de resposta (s)	17.4	23.2	33.5	34.6	41.9
Throughput (requests/sec)	5.1	7.5	7.4	9.1	9.4
Abort Rate (%)	0.0%	0.0%	0.0%	12.2%	27.4%

Ponto de Rutura

Login > Homepage > Perfil

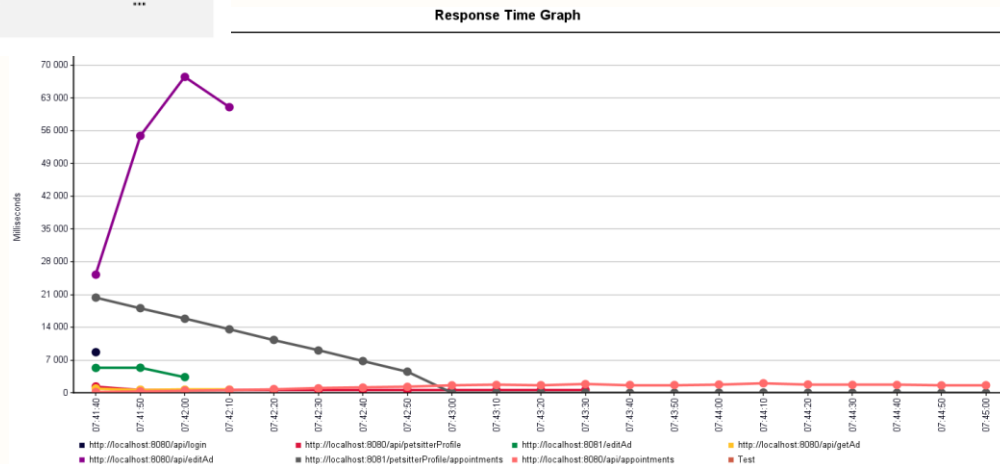
ANÁLISE DA CARGA

2. Interação Petsitter:

Nº Threads	50	100	150	200	250
Tempo médio de resposta (s)	12	16.6	14.0
Throughput (requests/sec)	2.7	3.4	6.7
Abort Rate (%)	0.0%	0.0%	14.1%

Ponto de Rutura

Login > Perfil > Editar Anúncio > Ver
Tabela de Marcações



ANÁLISE DA USABILIDADE

A. Heurísticas de Nielsen

1. Visibilidade do estado do sistema

localhost:8081 diz

New pet successfully registered

OK



ANÁLISE DA USABILIDADE

A. Heurísticas de Nielsen

2. Correspondência entre o sistema e o mundo real



ANÁLISE DA USABILIDADE

A. Heurísticas de Nielsen

3. Controlo e liberdade do utilizador



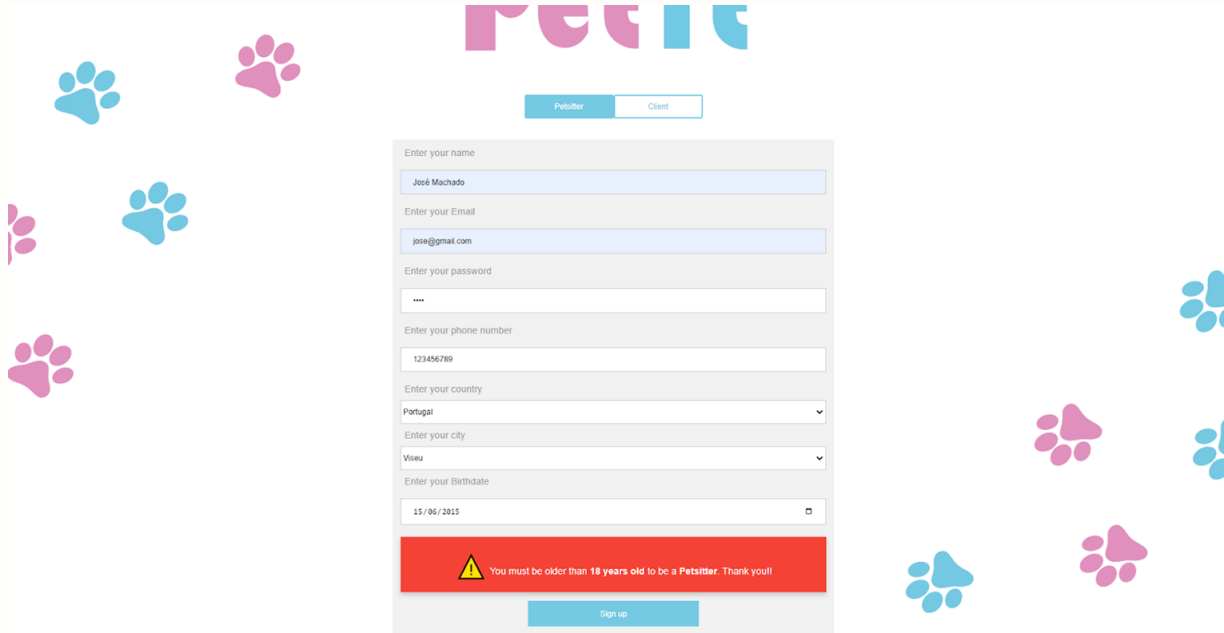
X Cancel

+ Add Pet

ANÁLISE DA USABILIDADE

A. Heurísticas de Nielsen

5. Prevenção de erros



The screenshot shows a web form for signing up as a 'PETSITTER' or 'Client'. The form is titled 'PETSITTER' in large, stylized letters. Below the title are two tabs: 'PETSITTER' (selected) and 'Client'. The form fields are as follows:

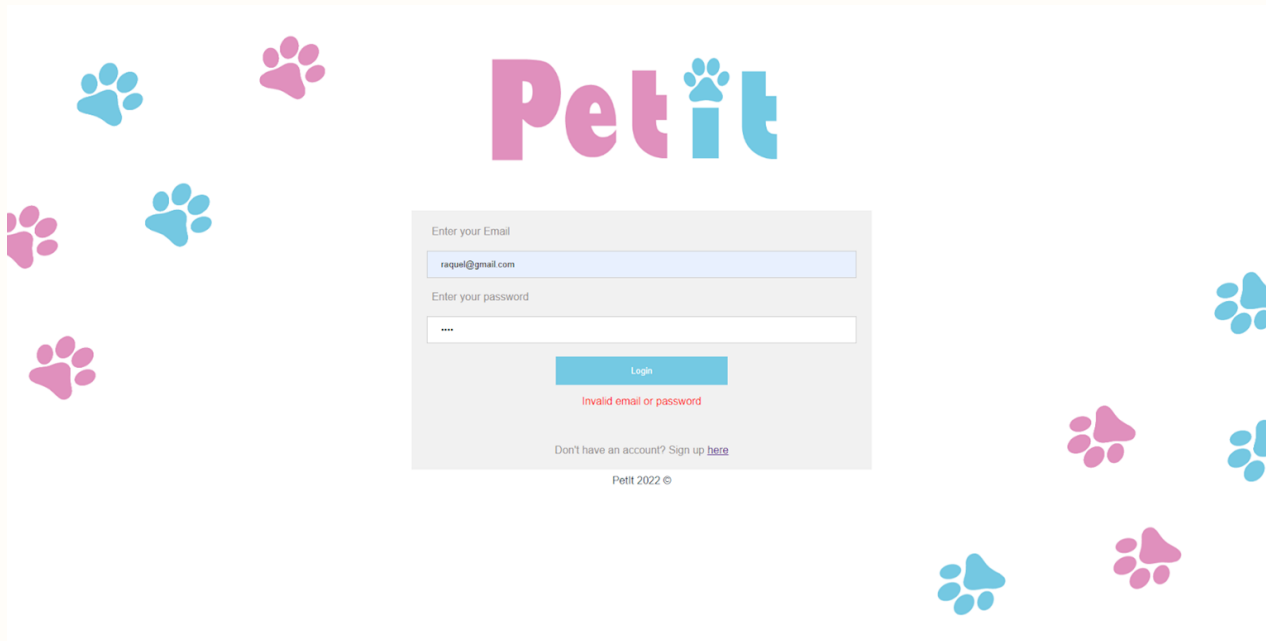
- Enter your name:
- Enter your Email:
- Enter your password:
- Enter your phone number:
- Enter your country:
- Enter your city:
- Enter your Birthdate:

At the bottom of the form, there is a red error message box with a yellow warning icon: "You must be older than 18 years old to be a PETSITTER. Thank you!!". Below the error message is a blue 'Sign up' button.

ANÁLISE DA USABILIDADE

A. Heurísticas de Nielsen

9. Ajudar utilizadores a reconhecer e recuperar de erros



The image shows a login form for a website called "Petit". The form is centered on a light blue background decorated with several paw prints in shades of blue and pink. The "Petit" logo is at the top center, with the "i" in "Petit" replaced by a blue paw print. The form itself is a light gray rectangle. It contains two input fields: "Enter your Email" with the value "raquel@gmail.com" and "Enter your password" with masked characters "****". Below the password field is a blue "Login" button. Underneath the button, a red error message reads "Invalid email or password". At the bottom of the form, there is a link: "Don't have an account? Sign up [here](#)". The footer of the form says "Petit 2022 ©".

Petit

Enter your Email

raquel@gmail.com

Enter your password

Login

Invalid email or password

Don't have an account? Sign up [here](#)

Petit 2022 ©

ANÁLISE DA USABILIDADE

B. Questionário PSSUQ

Pergunta	Pontuação
1 - Em geral, estou satisfeito com a facilidade de utilização do sistema.	1.41
2 - Foi fácil utilizar o sistema.	1.41
3 - Fui capaz de completar as tarefas rapidamente.	1.47
4 - Sinto-me confortável em utilizar este sistema.	1.41
5 - Foi fácil de aprender a utilizar o sistema	1.47
6 - Acredito que me poderia tornar rapidamente produtivo utilizando este sistema.	1.47
7 - O sistema deu-me mensagens de erro que me disseram como resolver o problema.	2.65
8 - Sempre que cometi um erro utilizando o sistema, eu consegui recuperar rapidamente e facilmente.	2.35
9 - As informações (como ajuda online, mensagens na tela e outra documentação) fornecida com este sistema era clara.	1.88
10 - Foi fácil encontrar as informações que eu precisava.	1.47
11 - As informações foram eficazes para me ajudar a completar as tarefas.	1.76
12 - A organização das informações nas páginas foi clara.	1.58
13 - A interface deste sistema é agradável.	1.18
14 - Gostei de utilizar a interface deste sistema.	1.59
15 - Este sistema tem todas as funcionalidades e capacidades que eu esperava.	1.64
16 - Em geral, estou satisfeito/a com o sistema.	1.35

- Satisfação geral do sistema - 1.63
- Utilidade - 1.44
- Qualidade de informação - 1.95
- Qualidade da interface - 1.44

The background is white with several large, soft-edged abstract shapes in light pink, light blue, and yellow. There are also several small, stylized paw prints in pink and red scattered across the page.

06.

Demonstração



Universidade do Minho
Escola de Engenharia

Petit

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