



deti

universidade de aveiro  
departamento de eletrónica,  
telecomunicações e informática



# CoworkClub

Work **where**, **when** and **how** you want.

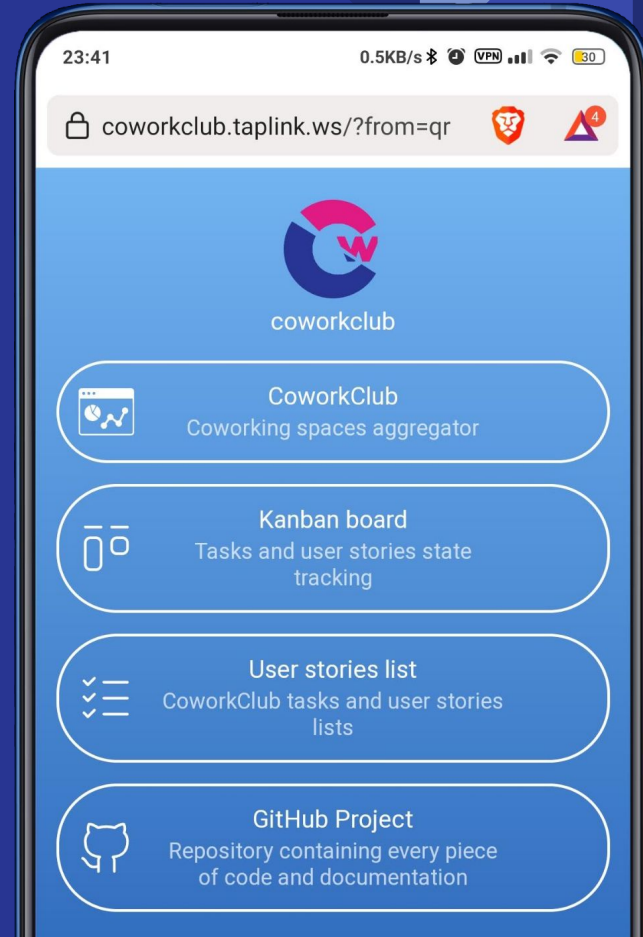
*Final presentations of a coworking spaces aggregator for the subject of **System Analysis**. (Part 2)*

**Presented on:** 22th Jun 2022, at P6.

**Group:** David Araújo 93444, Daniel Capitão 75943, Filipe Costa 77548 and Samuel Teixeira 103325.

# Follow the presentation on your device !

- ❑ **CoworkClub** Website
- ❑ **Kanban** tracking
- ❑ **User stories** list
- ❑ **Code** and **deployment** methods



# Evolution so far

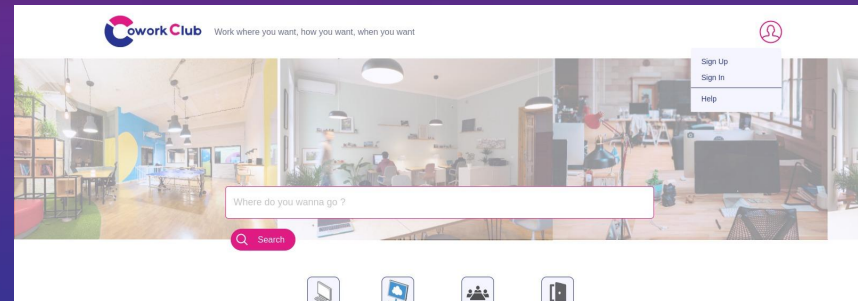
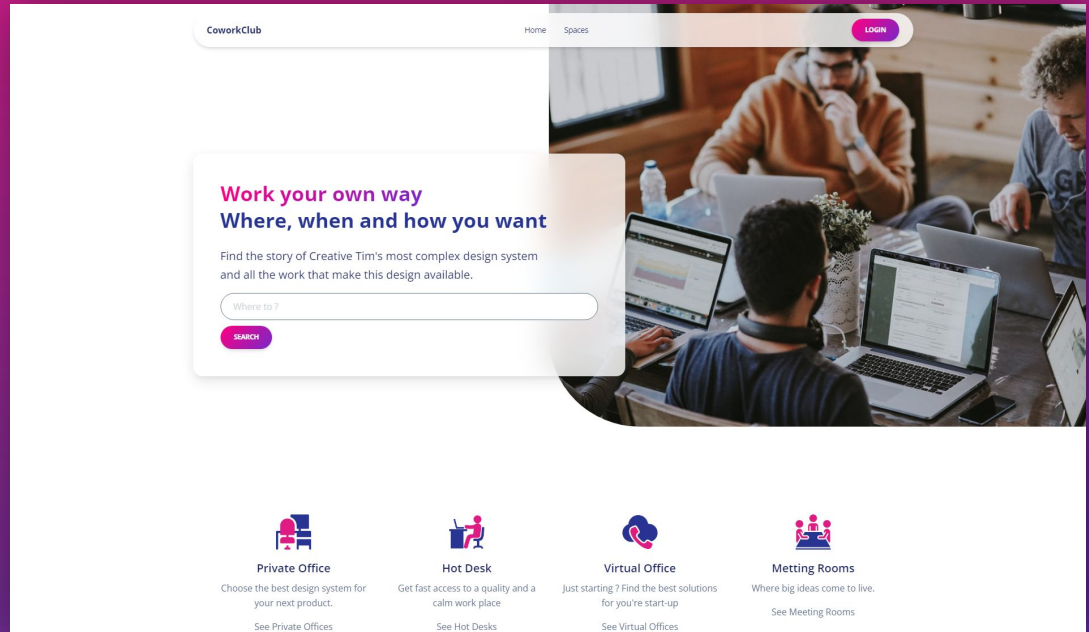
**Cleaner** aesthetics

**Basic** functionalities **accomplished**

Re-thinking and re-implementation of  
**API** and **database**

**User stories** creating and follow-up  
with **acceptance criteria**

Continuous deployment



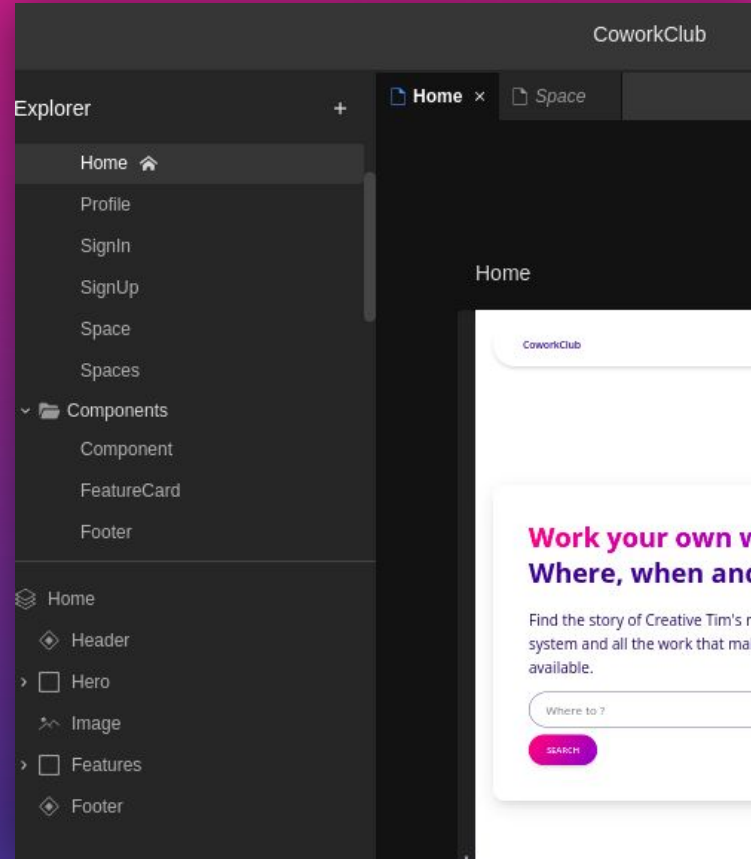
# TeleportHQ

Easily create components with **drag and drop interactions**.

**Export complete components** and view in VueJs files.

**Real-time preview** and experimentation.

**Multi-device** specification preview.



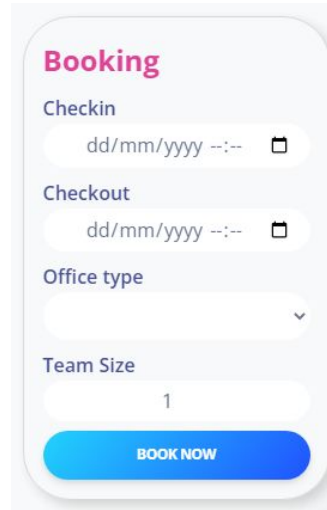
# The Evolution on Design

**Rounded**, smooth and **bright**

**Low concentration** of items

Less variety **more recollection**,  
reutilization is paramount.

**Color** coded.



**Booking**

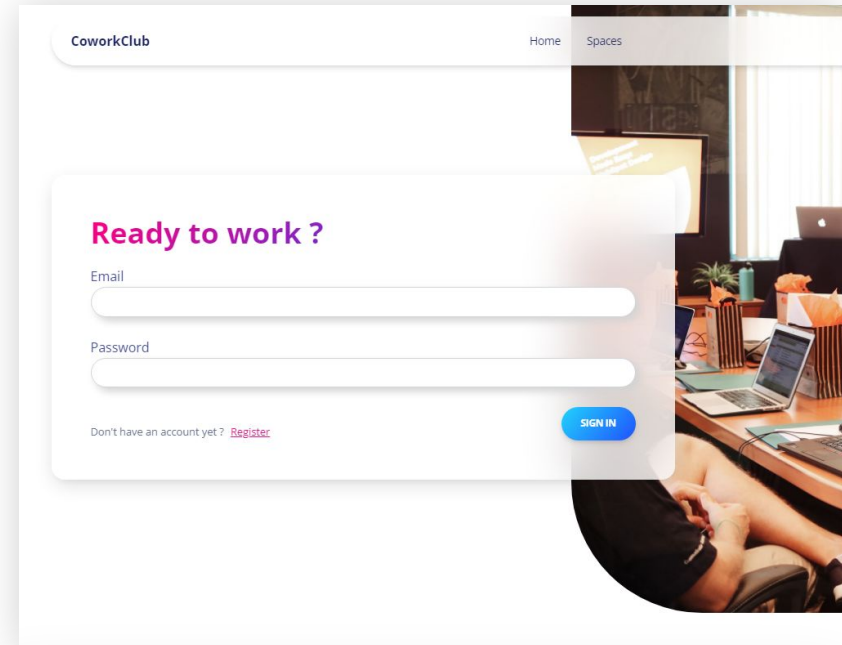
Checkin  
dd/mm/yyyy --:--

Checkout  
dd/mm/yyyy --:--

Office type

Team Size  
1

**BOOK NOW**



CoworkClub Home Spaces

**Ready to work ?**

Email

Password

Don't have an account yet ? [Register](#)

**SIGN IN**

## Bookings

**Aveiro Hub**

**15 €**

2022-06-21T22:49 to 2022-06-22T22:49 Hot Desk

**Aveiro H**

2022-07-2

# API and Database Re-thinked



Limited time constraints for  
**web deployment**

**Faster** integration.

**Hosting + Database +  
Authentication**

# Firebase

## Structured queries

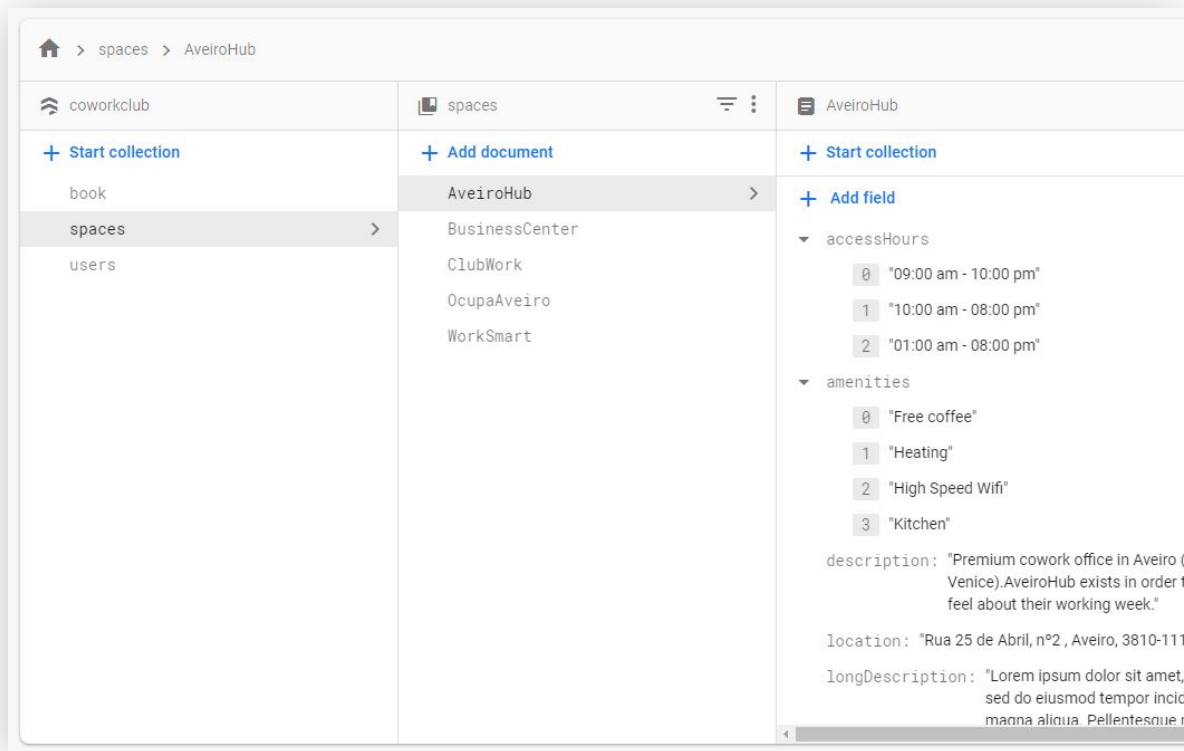
Query by **document reference**, and with authentication.

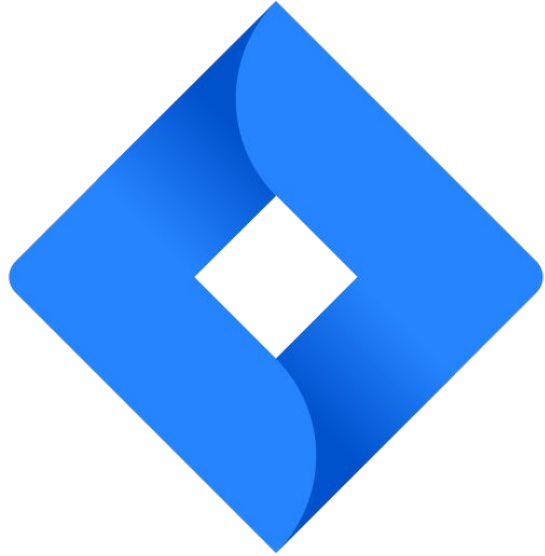
**Dynamic** values.

**Authentication** and profiling

```
JS store_book.js

addDoc(collection(db, "book"), {
  checkin: this.checkin,
  checkout: this.checkout,
  office_type: this.officetype,
  price: this.price,
  space_id: doc(db, "spaces", this.id),
  user_id: doc(db, "users", auth.currentUser.uid),
}).then(() => {
  this.$router.push("/profile");
});
```





# Management of Operations

Using **Jira** allowed us to:

- ❑ Track **issue** completeness;
- ❑ Create and track **user stories**;
- ❑ Prioritize tasks.

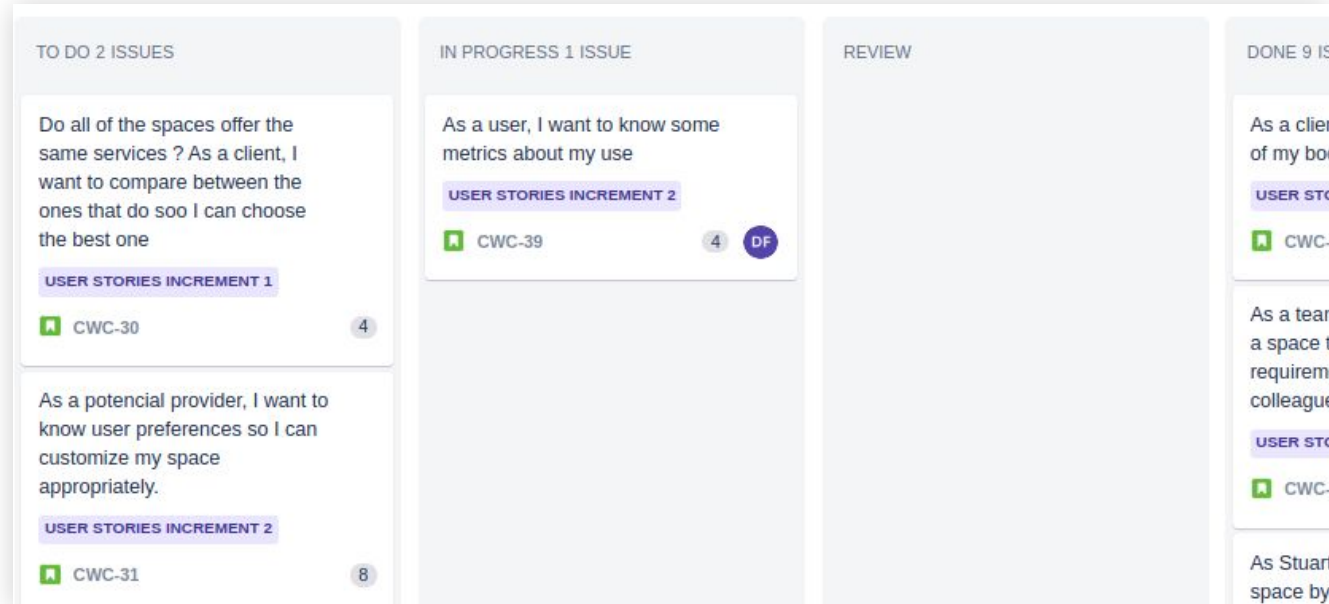


# Kanban Tracking

Keep track of **each user story** stage.

**Prioritize** stories by **column position**.

Alerts for stories **needing reviewing** for approval.



# User Stories

**Precise objective** in mind for each story.

**Acceptance criteria** easily converted **into test** in a later phase.

Story points followed a **geometric sequence** (1, 2, 4, ...).

Kanban board composed of **4 stages**:

1. To Do,
2. In Progress,
3. Review,
4. Done.

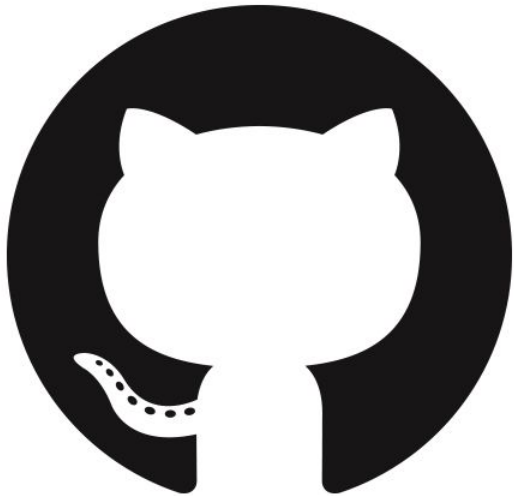
The screenshot shows a Jira issue page for 'User Stories Incremental' (CWC-37). The issue title is 'As a person interested in CoworkClub, I need to registrate myself in order to access the service'. The issue is in the 'Done' status. The 'Acceptance' section lists three criteria, all marked as passed (green checkmarks):

1. The user must be able to create a new account ✓
2. The user must be able to login into the account ✓
3. The session should keep track of the user's state during the interaction ✓

The 'Details' sidebar on the right shows the following information:

- Assignee: David Ferreira (DF)
- Labels: None
- Sprint: Development
- Story point estimate: 2
- Development: Create Branch, Create Commit
- Reporter: Samuel Teixeira (ST)
- Created 3 days ago, Updated 15 hours ago, Resolved 15 hours ago

# Source code storage



**Branching** for task differentiation

**Version control**

**Contributions** weight and distribution.

**Automated builds** with **GitHub Actions**

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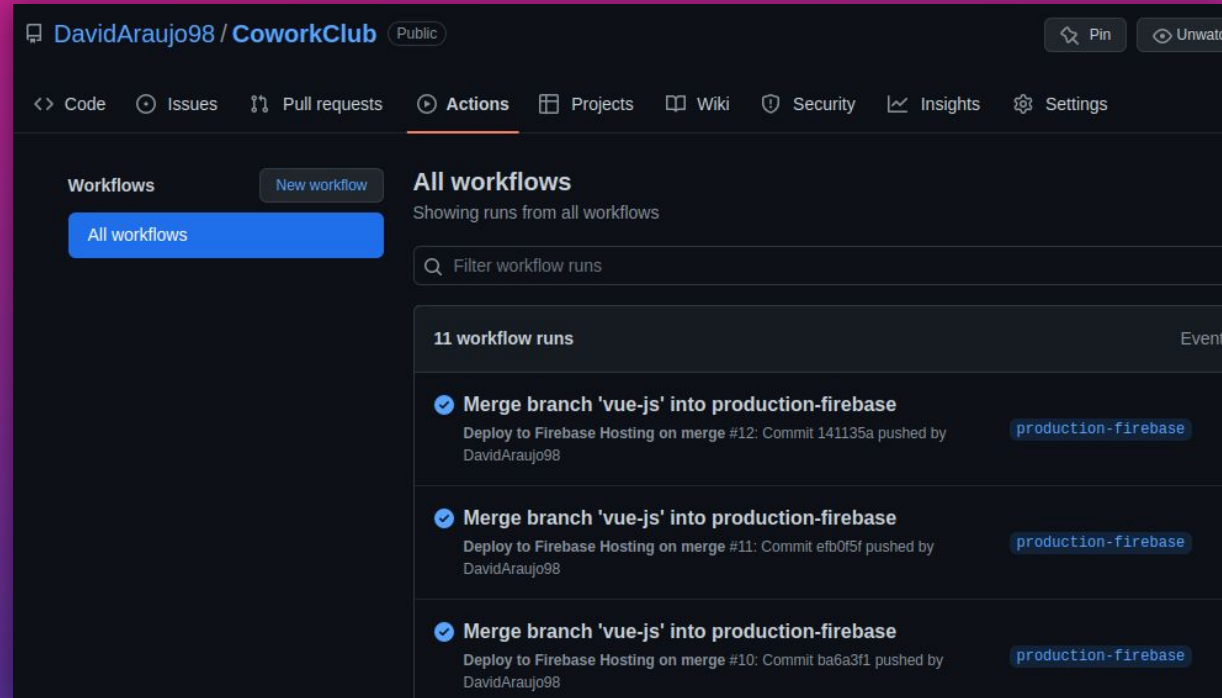
# GitHub Actions

Created **automatically** with **Firebase** integration

Allocated to **specific branch** for release control.

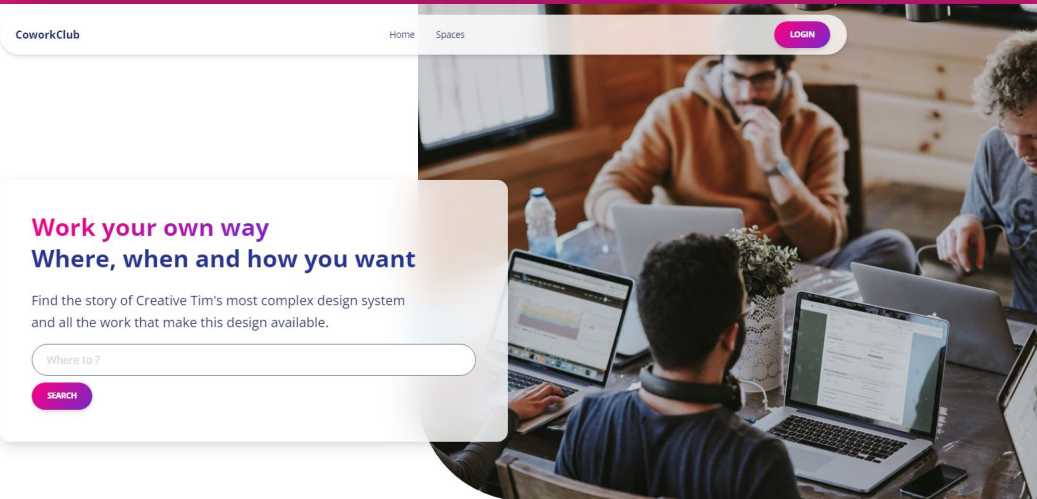
Automated NodeJs modules **build**

Automated deployment to **Firebase** hosting



# Use Case

1. Creating account
2. Search for space by location
3. Filter search by price
4. Select booking specification
5. Review booking
6. Confirm and consult on profile page



# To be Implemented

**Booking alteration** is not yet possible

**User preferences** and metrics should be available

**Space provider** interaction:

- **Addition of spaces**
- **Management** of **bookings**
- Review **client metrics**

**David Araujo**

Last visited space:

**Personal details**

Username	Email	Password
David Araujo	david2araujo5@gmail.com	••••••••••

**Bookings**

<b>Aveiro Hub</b> 2022-06-21T22:49 to 2022-06-22T22:49 Hot Desk 15 €	<b>Aveiro Hub</b> 2022-07-21T22:49 to 2022-07-29T22:49 Private Office 240 €
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