

SEPTEMBER 13, 2022

# RentA

*Rent anything*

**Project number: 22403**

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**Project subject: Renting application.**

# THE PROBLEM

Today, due to the availability and the culture of consumption, people buy products that they do not necessarily need for frequent use, and thus we reach a situation where people have many items at home that they have used only a few times. This situation causes people to waste money unnecessarily, take up storage space, and in addition, causes an increase in the amount of garbage in the world both on the part of the consumers who end up throwing away things they do not need and on the part of the producers who pollute the environment in the process of producing the products.

## TARGET AUDIENCE

people who bought products for infrequent use and people who want to avoid buying such products.

# OUR PRODUCT

- RentA is a mobile application that encourages sustainable consumption by renting items instead of purchasing them for single or rare use.
- The users will be able to choose items that they are interested in offering to rent or look for products they are interested in renting.
- Trading in RentA is done through an internal currency that can be earned by renting products.

# HOW IT WORKS?

Upload your item

7:22

← Add Item Add

Upload Images

Information

Item name

Bikes

Coins per day

9

Category

Bikes

Description

Description

Accept rent request to earn coins and activate on agreed date

7:25

← RentingPage

Requests Approved Active History

Bikes 06/09/2022 - 06/09/2022

On agreed date each user upload image of the item

← Activate Transaction

Upload Images

Activate

When finished, you can add reviews on the rent page

←

Bikes

07/09/2022 - 07/09/2022

image of previous condition

image of completion condition

Review the other user

Give rate: 5

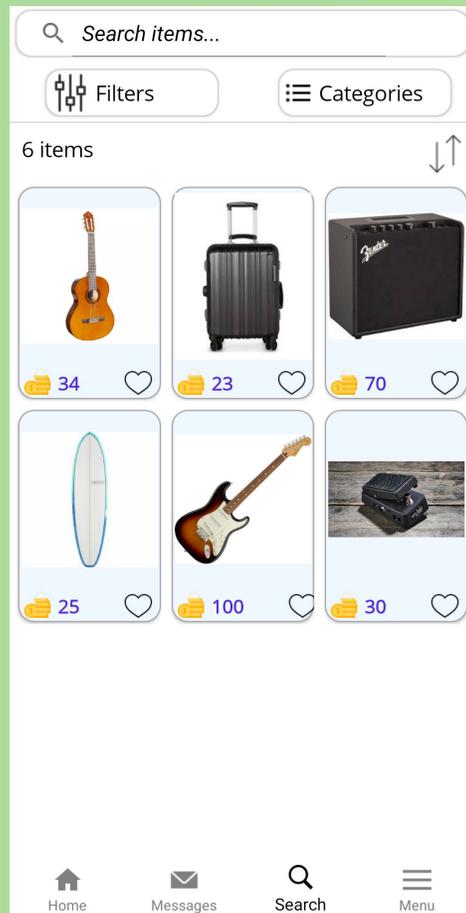
Write your review:

Your text

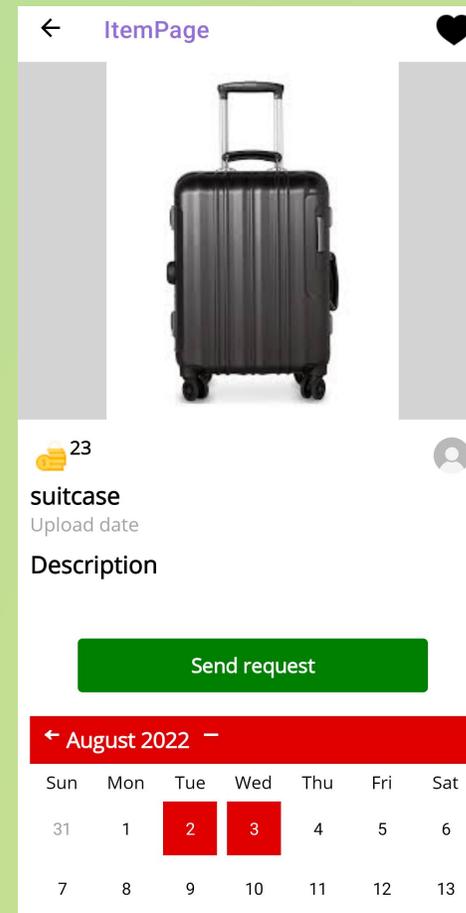
Send

# HOW IT WORKS?

## Search item to rent



## Choose dates and send a renting request



# ARCHITECTURE



UI



Server



Database

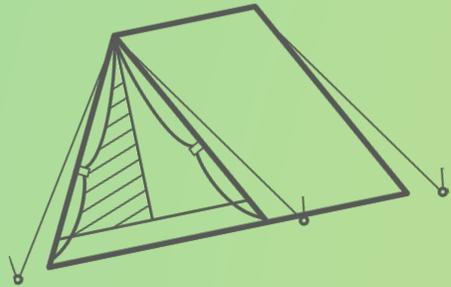


# ARCHITECTURE

- The frontend is written in the new UI technology of Microsoft - .NET MAUI - which is based on XML like language called XAML and backed by C# to make it more agile and powerful.
- The backend is written in C# using Microsoft's ASP.NET framework running on Azure.
- Our database is a NoSQL database called Mongo DB
- Our blob storage is Azure blob storage - for storing big files like images.

# SUMMARY OF RentA

Our vision in developing the RentA application is to create an easy-to-use and reliable platform with the aim of creating a rental community driven by a desire to bequeath smart and sustainable consumption.



# RentA

*Rent anything*