

CampusKart (OLX for IIT Ropar) DEP.X5

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- Nupur Rathi - 2019CSB1104

Problem Statement

- There is no specific platform for exchanging products in IIT Ropar for the IIT Ropar community. Most exchanges for items like lab coats and cycles are done via shared google sheets or broadcasted emails.
- We created CampusKart, an application that allows students, faculty, and support staff to simply offer their products for sale to individuals who are interested in purchasing them.

Tech Stack Used



Flutter for Frontend



Django for Backend

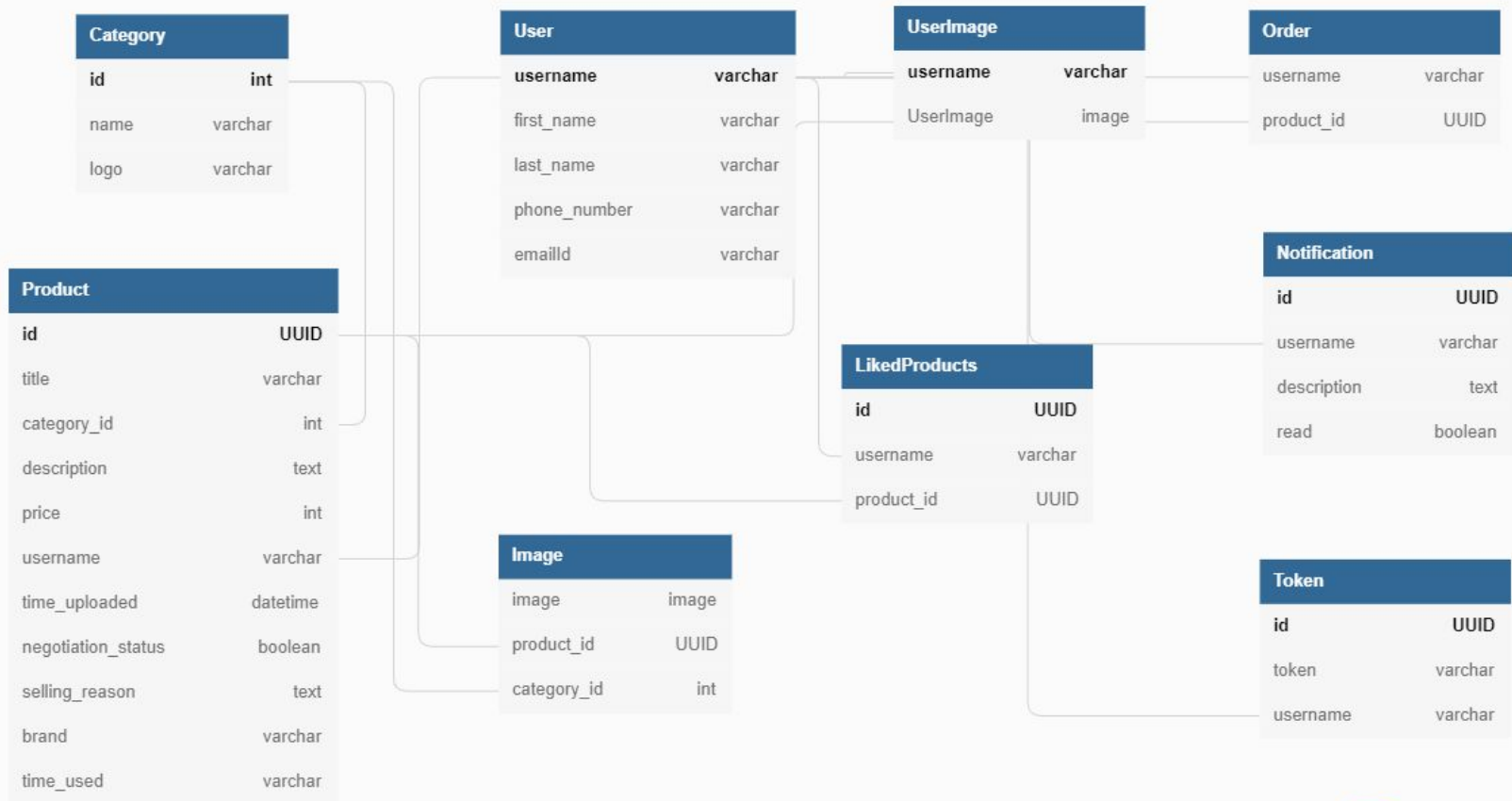


PostgreSQL for database



Firebase for User Authentication and Notifications

Database Schema

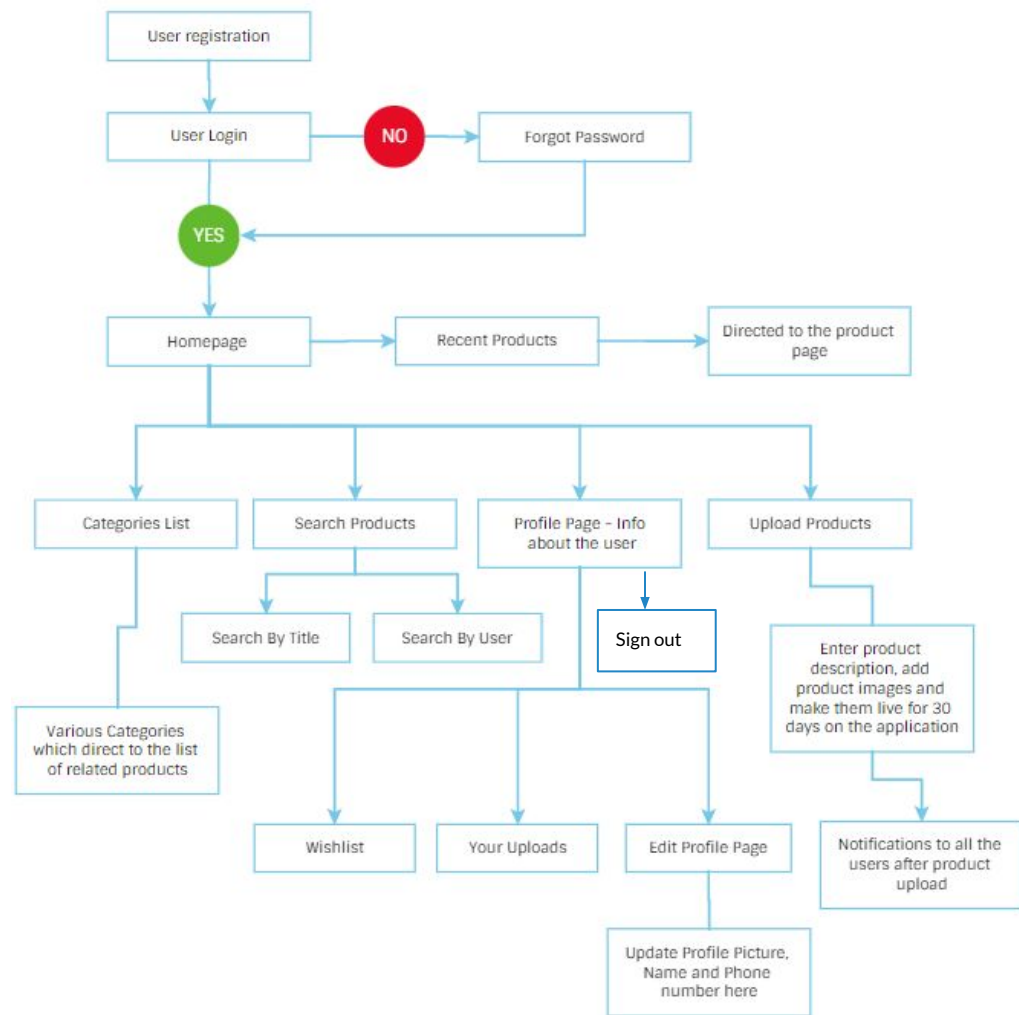


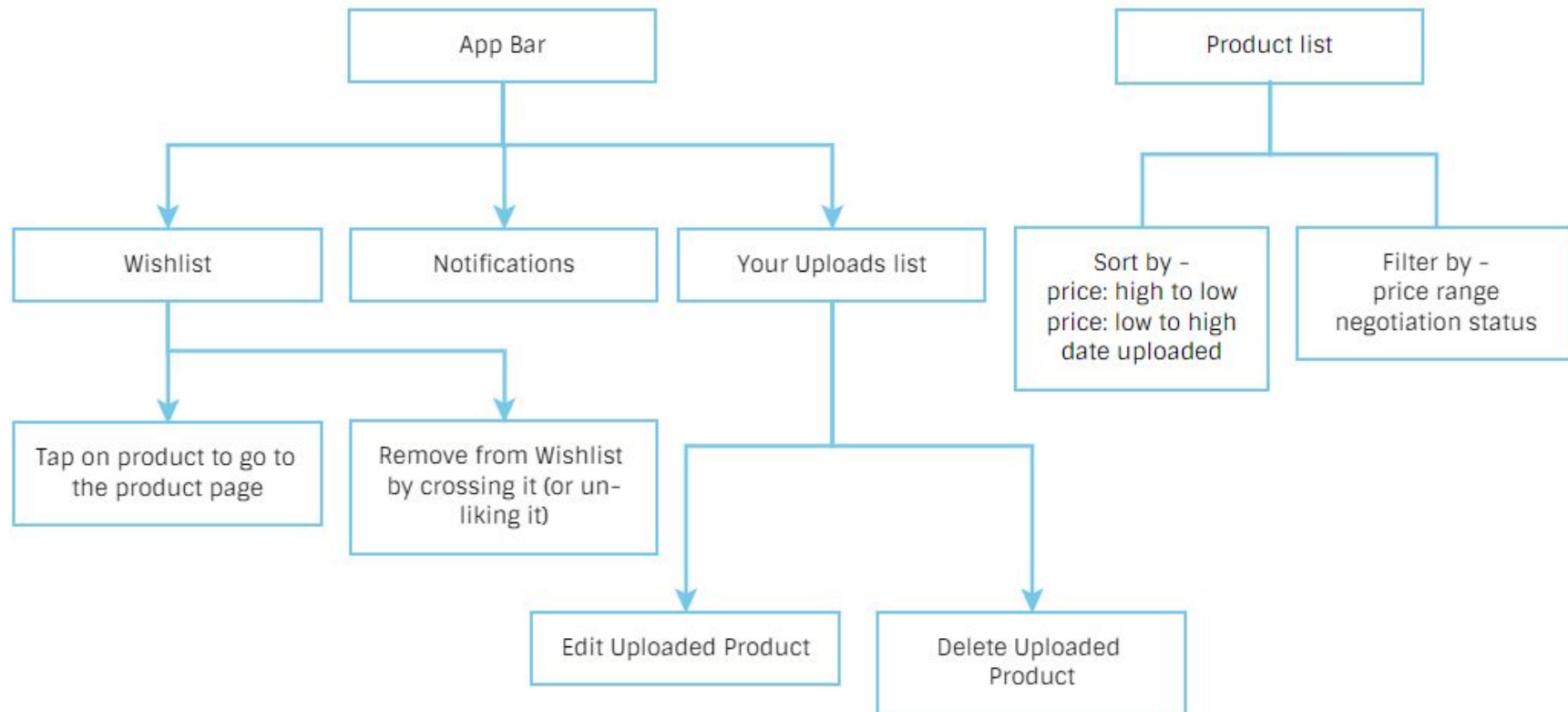
Salient Features

- Registration with email verification using IIT Ropar email IDs.
- Login using IIT Ropar email id and password.
- Forgot password option available to change users account password.
- Users can upload a product they want to sell along with multiple images.
- The description given can be formatted in any way the user seems suitable.
- Notification to all the registered users when a new product is uploaded.
- Products will be live for one month.
- Notification to the user 5 days before their product is to be deleted, and after product deletion.
- Users can view, delete and edit their uploaded products.
- Users can browse through the multiple products uploaded by others.
- Users can browse the products by category and search them by title or username.
- Filter and Sort options are available.
- Wishlist option to add products to wishlist.
- Whatsapp, email, call or sms the seller to negotiate/ talk with them.
- Users can edit their profile to update their name, phone number, and profile picture.
- Recent products are shown in the carousel on the homepage.

Flowchart

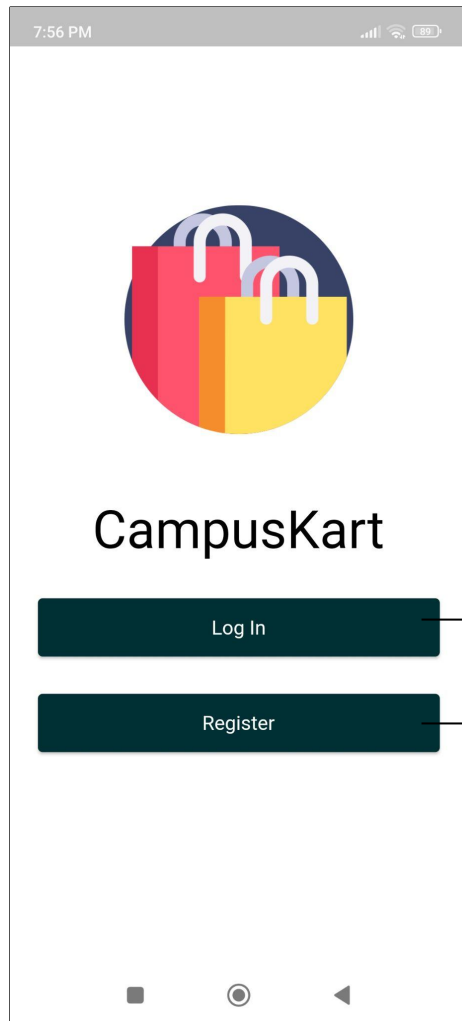
Workflow of our app





Screenshots

Images of our application with their description



Welcome Screen

Log In

Log in button - user can log in to his/her account from here.

Register

Register button - user can register from here.

7:56 PM ☾

Sign up with email

Enter your IIT Ropar email

Enter your Password

An email will be sent to you, Verify to complete registration

Register

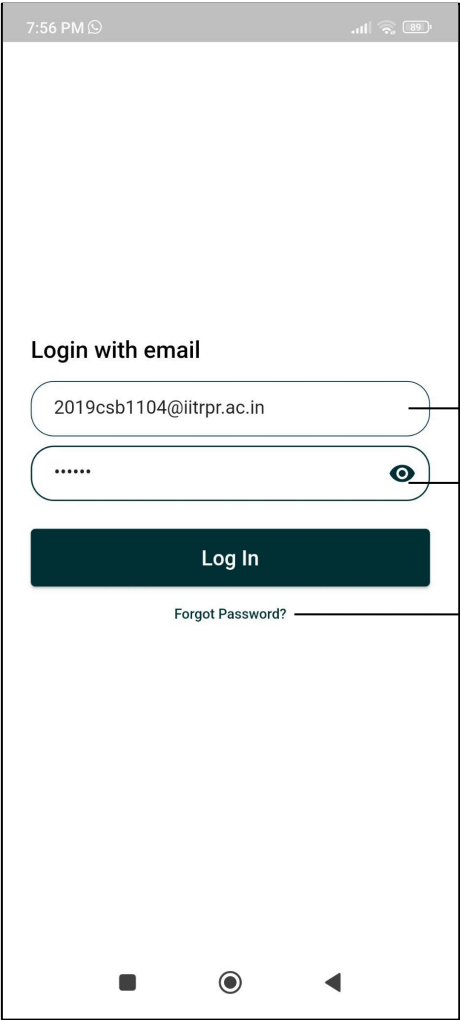
Registration Screen
with email verification

Email must be from IIT Ropar Domain

Show Password Button

Password must be at least 6 characters long

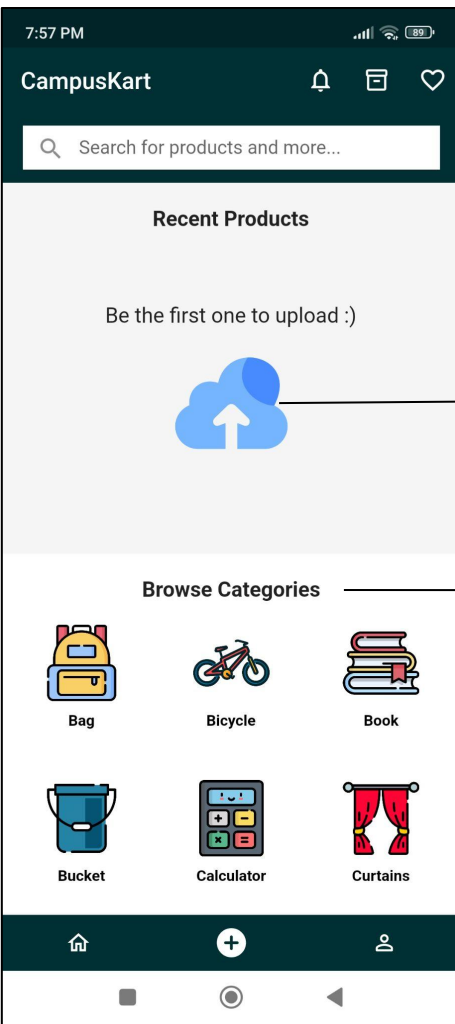
Login Screen



Email must be from IIT Ropar Domain

Show Password Button

Forgot Password

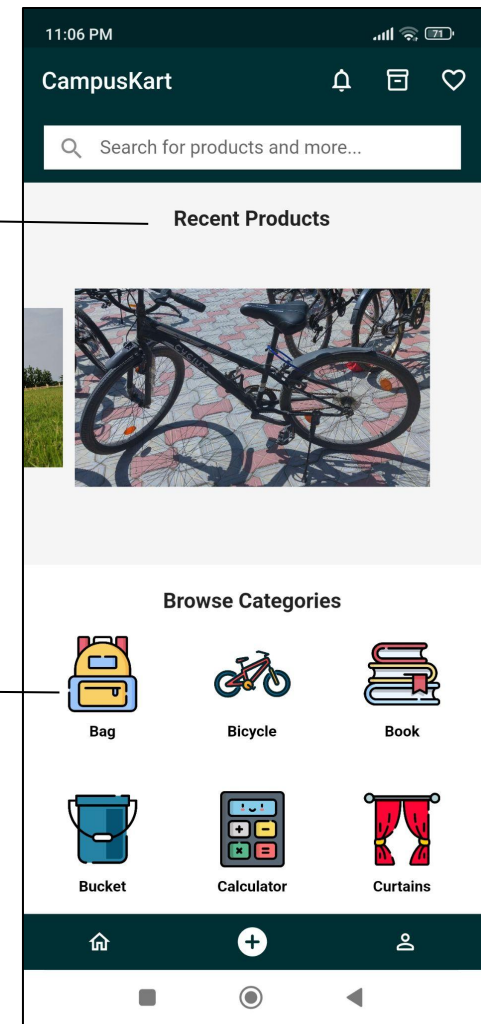


Homepage

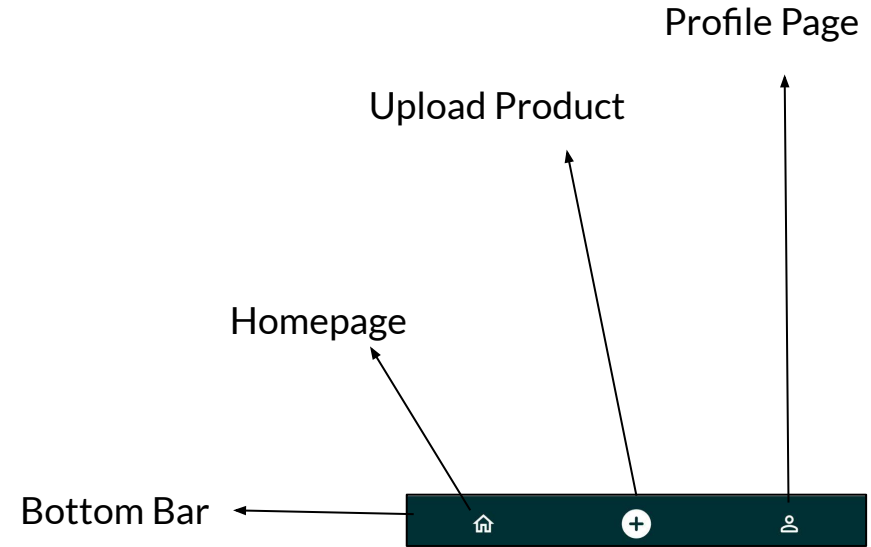
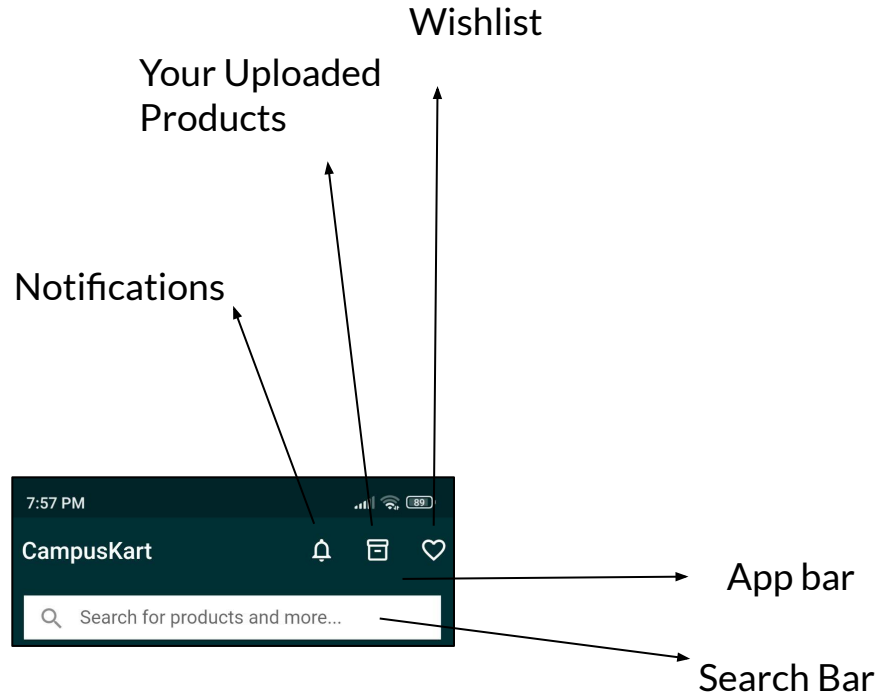
Recent Products are displayed here. User can tap on the carousel image to navigate to product page.

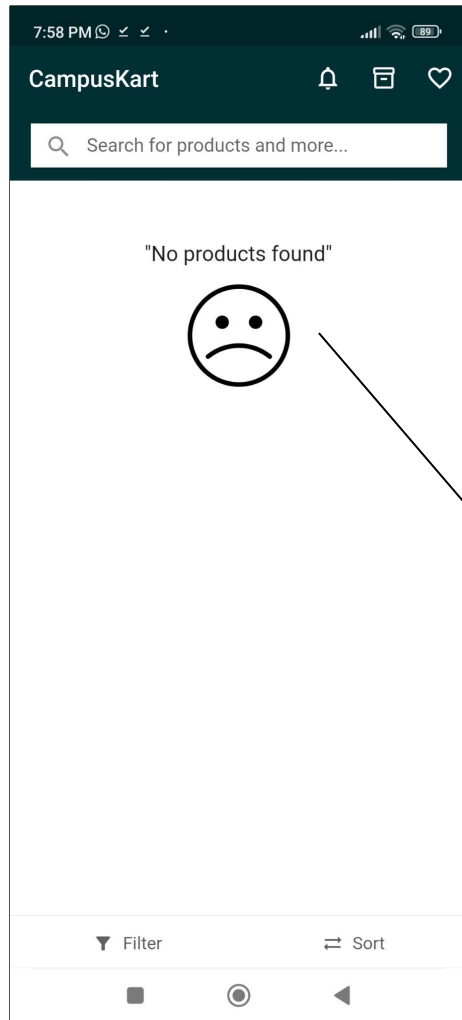
When no products are present, the user is prompted to upload a product

Various Categories are present, clicking on the categories leads us to the list of all the products in that category.



App Bar and Bottom Bar

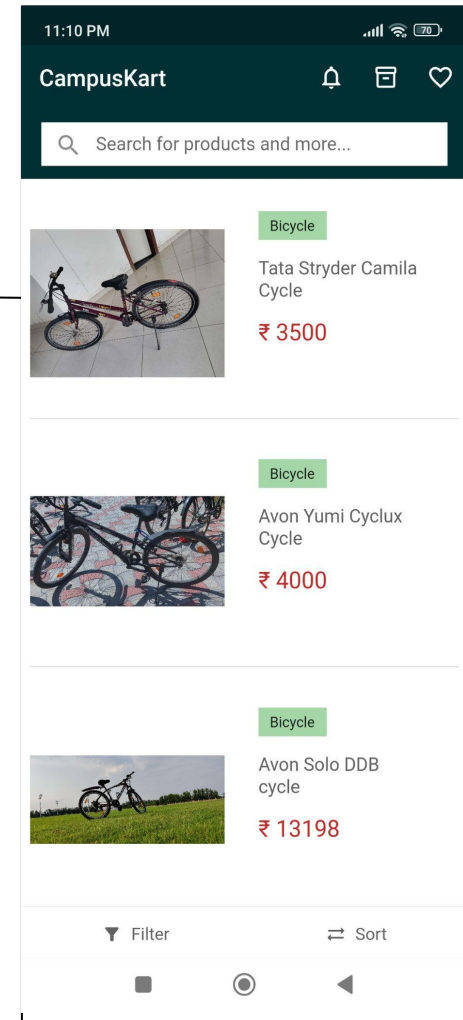


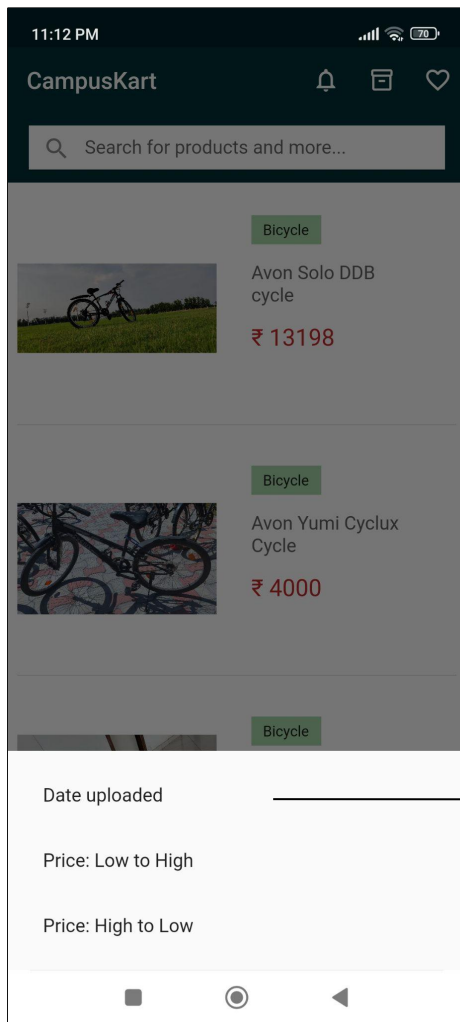


Category List

Products in the
'Bicycles' Category

When no products are
present in the category list,
this is shown.

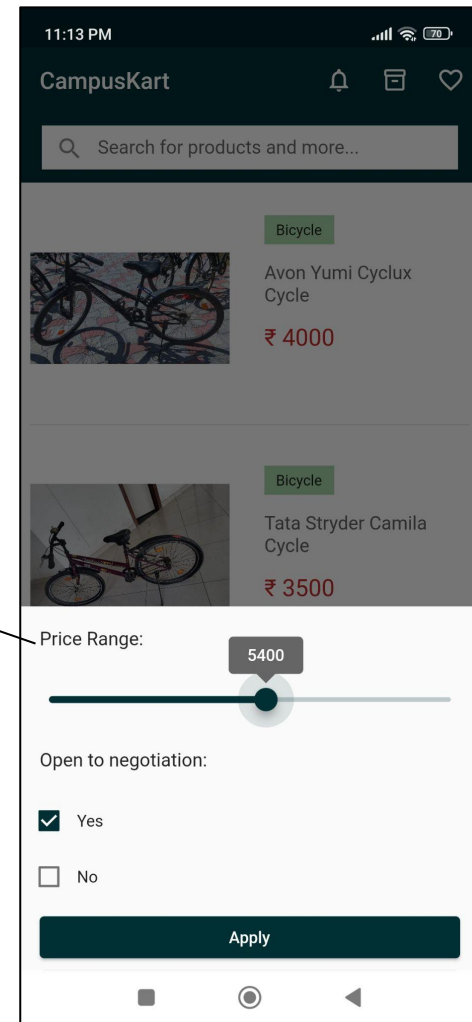


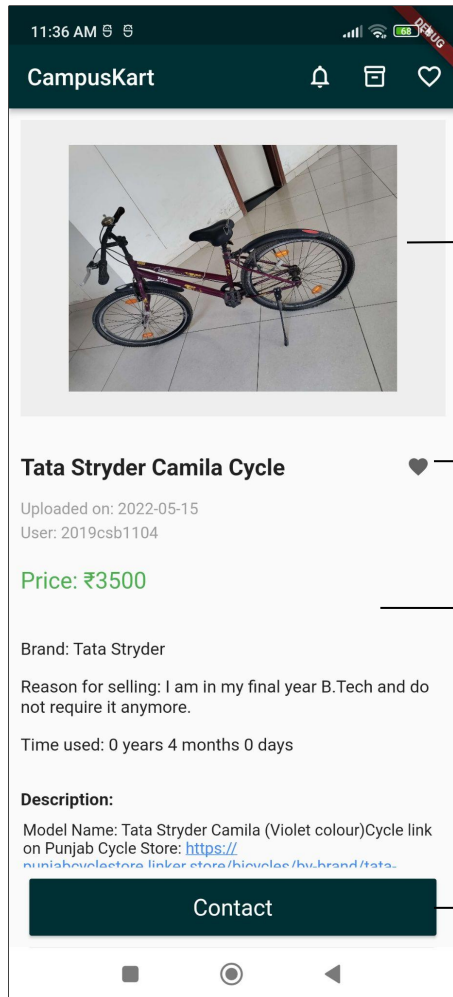


Sorting and Filtering

Filtering by price range and if the user is open to negotiation

Various Sort options present for the products list





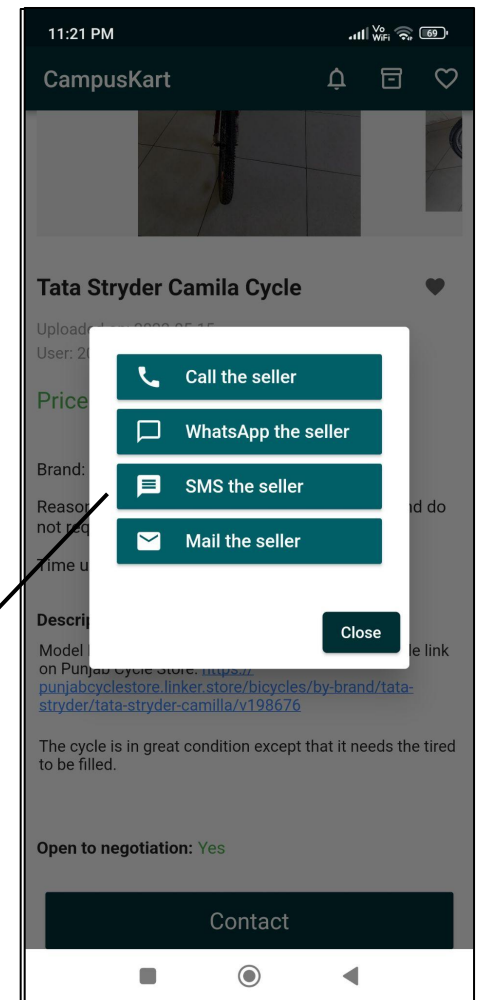
Product Page

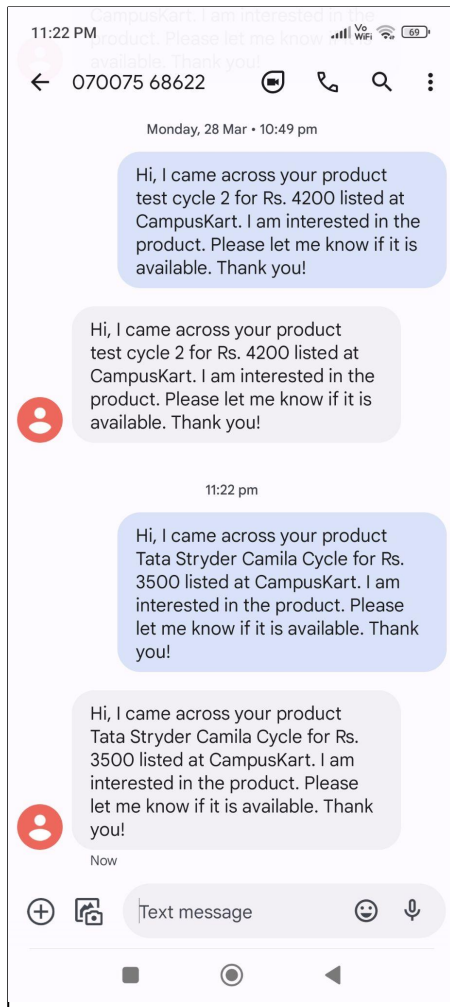
Product pictures
(shown in a carousel)

Wishlist (like) button

Description and Price

Contact the seller

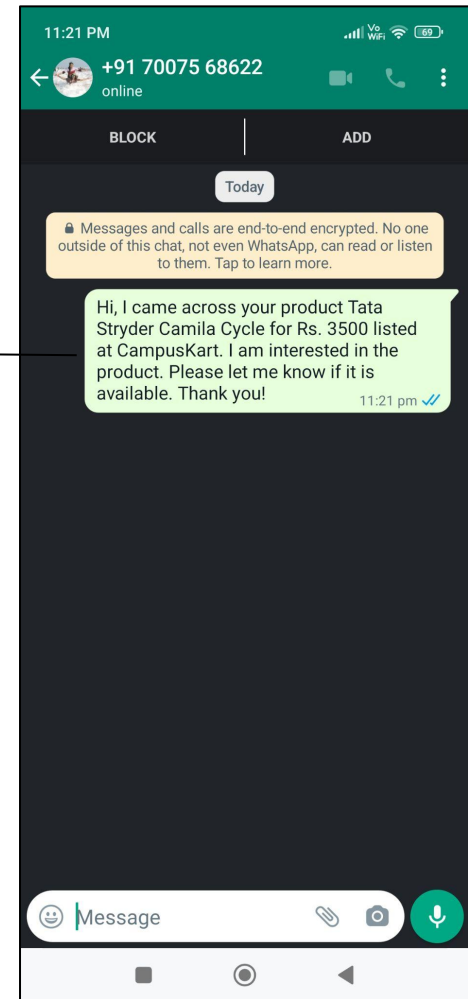


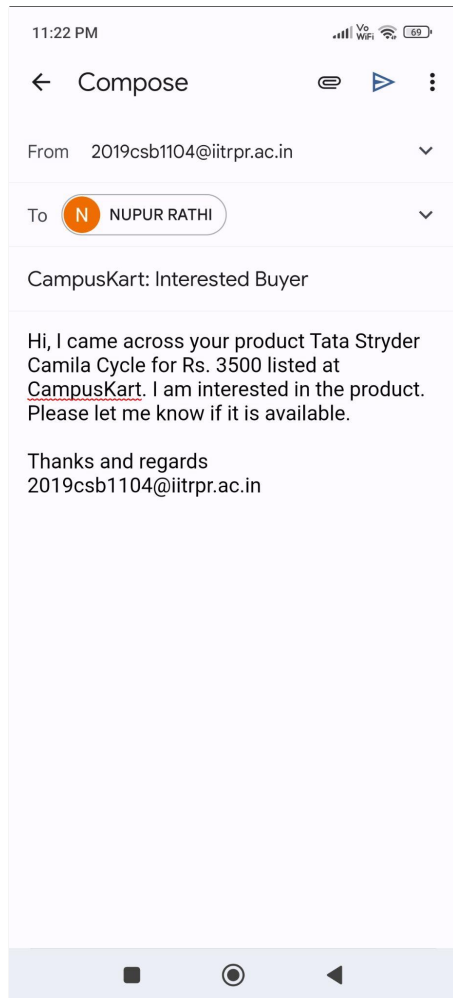


Contact the Seller (1)

Contact the seller via
Whatsapp - predefined
message is suggested to user

Contact the seller via SMS
- predefined message is
suggested to user



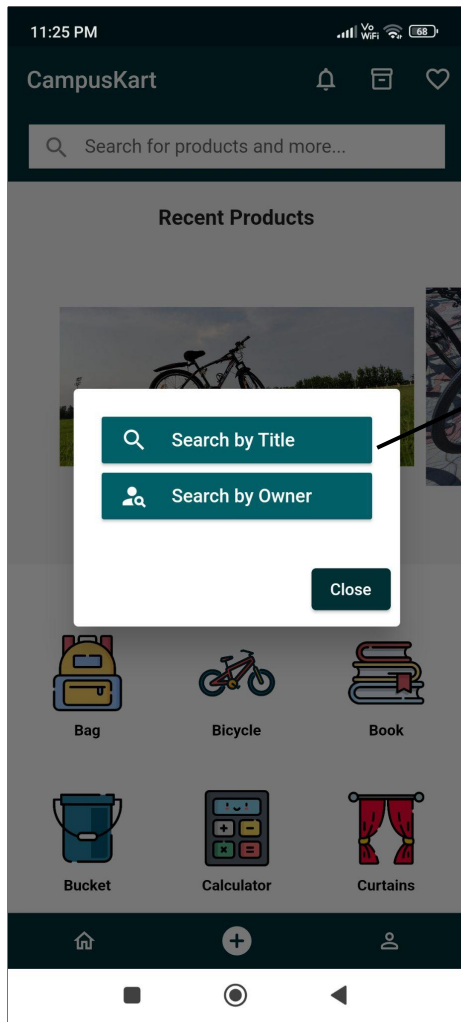


Contact the Seller (2)

Contact the Seller
via Email - predefined
email is suggested to user

Call the seller



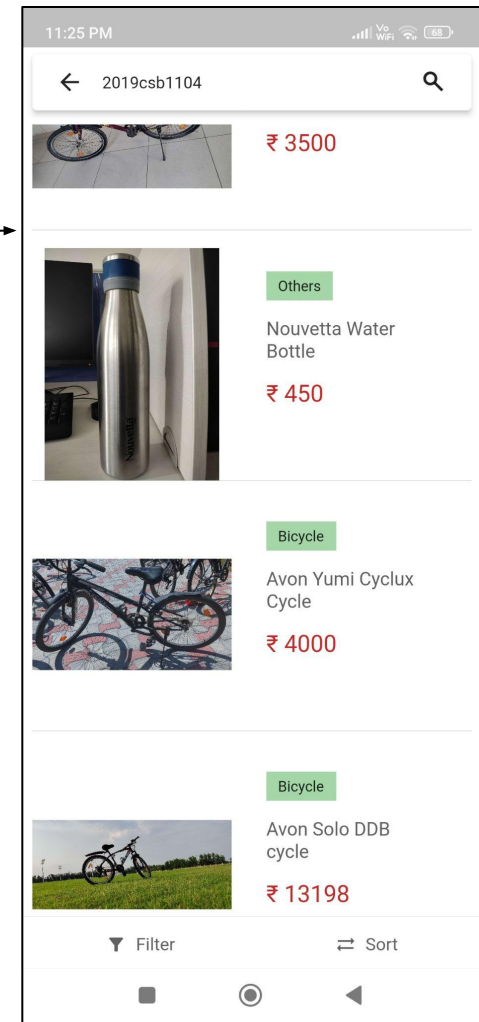
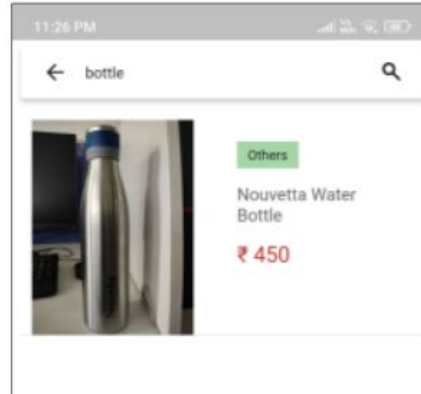


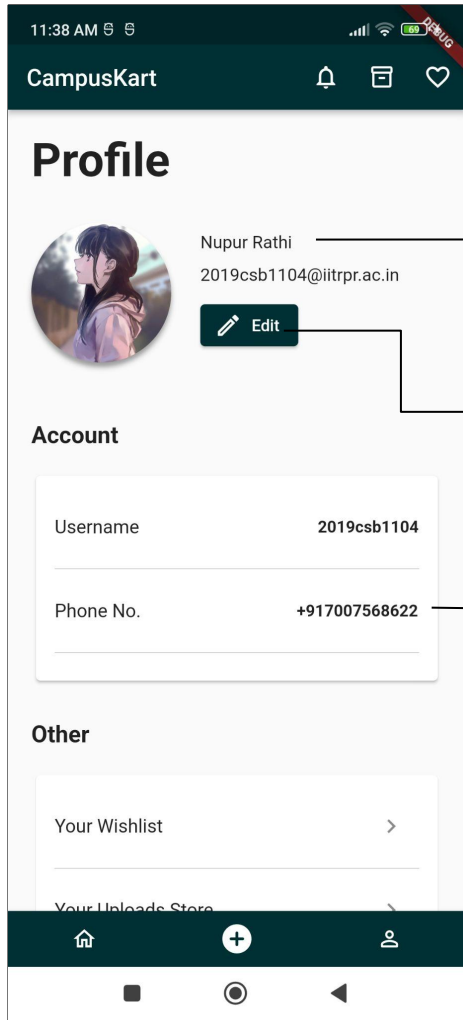
Searching Feature

Search by user

Searching

Search by title





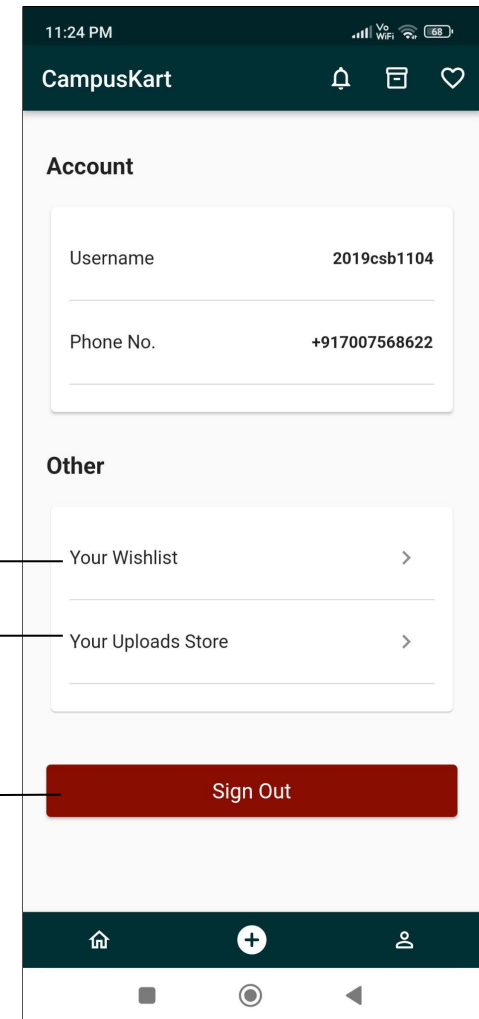
Profile Page

User name, email address
and profile picture

User can navigate to edit
profile page

User Phone number

Sign Out Button



Wishlist

Uploaded
products

Sign Out

11:24 PM

CampusKart

Edit Your Profile

Full Name

Nupur Rath

Phone No.

+917007568622

Email

2019csb1104@iitrpr.ac.in

Save

Edit Profile Page

User can edit their name,
phone number and profile
picture

11:24 PM

CampusKart

Profile

Nupur Rath

2019csb1104@iitrpr.ac.in

Edit

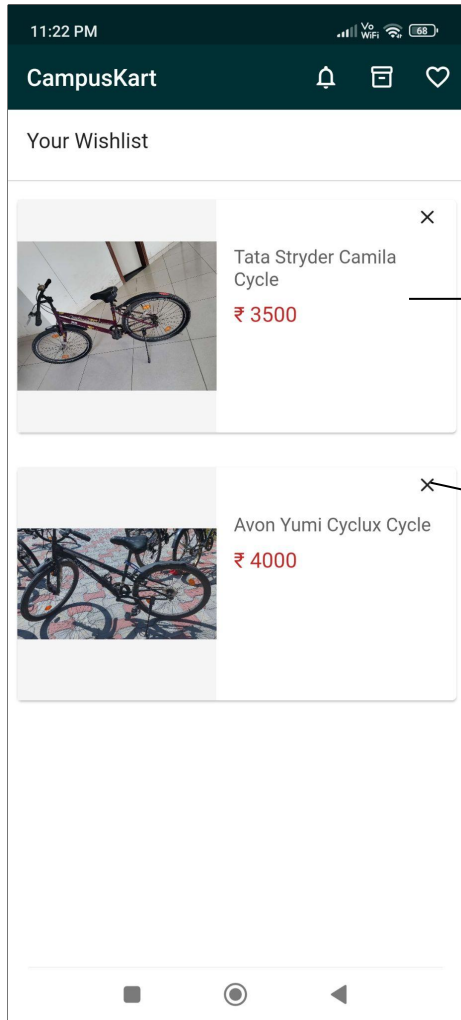
Select profile photo

Remove profile photo

Close

Other

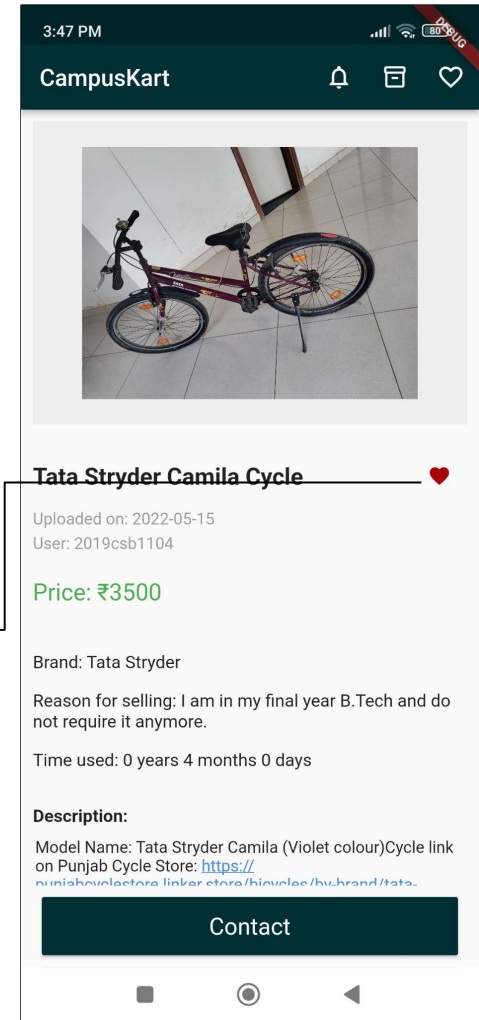
Your Wishlist

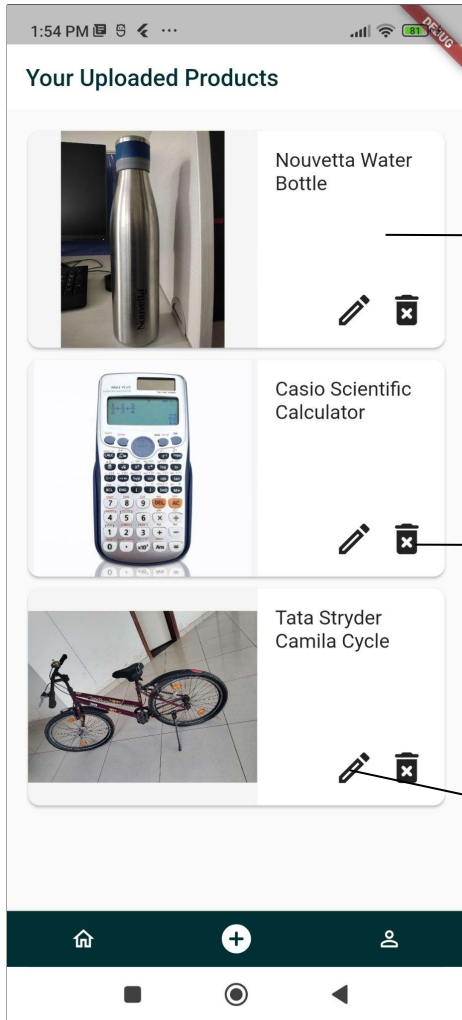


Wishlist

Wishlist Products - user can tap on the product card to move to its product page

User can remove the product from his wishlist



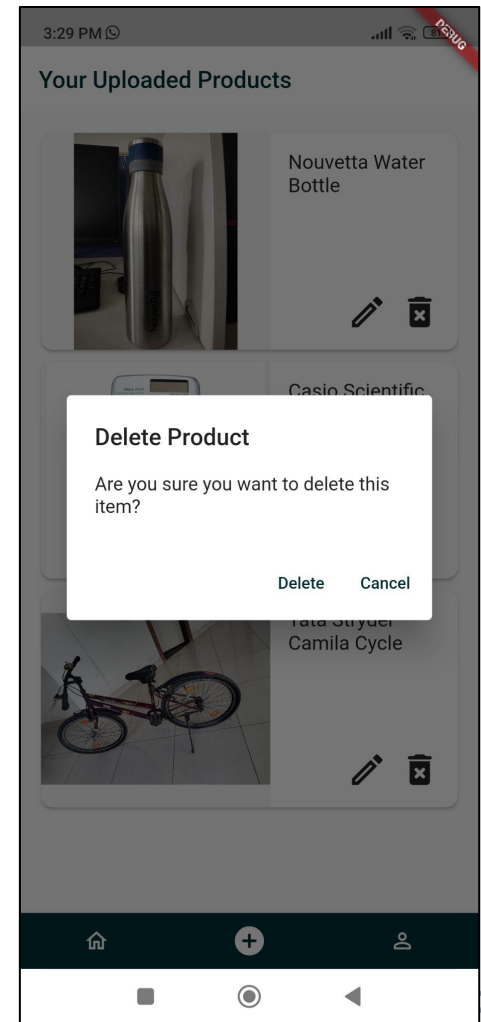


Your Uploaded Products

→ Your Uploaded Products list

→ User can delete his uploaded products (like after he has sold it to someone)

→ User can edit his uploaded products.



2:00 PM 9 9

All the star(*) marked fields are compulsory

Product Type (If not in above list) 0/100

Product Brand NA 2/100

Product Title* 0/200

Time Used* (format: Years-Months-Days)

Write product description*

Price in Rupees* 0

Reason for Selling NA 2/500

Are you open to negotiation? ☐

Upload Images*

Upload Product

Star marked fields are compulsory

Upto 3 images can be uploaded of a single product

2:00 PM 9 9

Product Type (If not in above list) 0/100

Product Brand NA 2/100

Product Title* 0/200

Time Used* (format: Years-Months-Days)

Write product description*

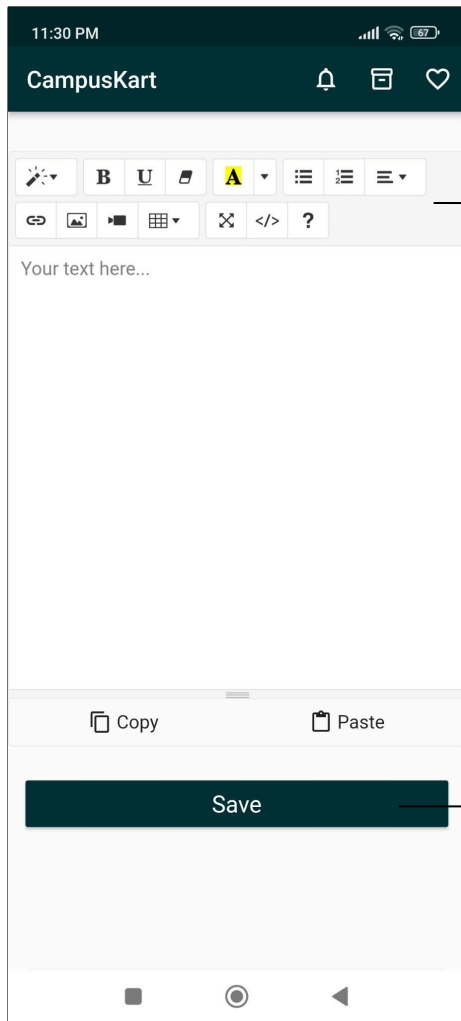
Price in Rupees* 0

Reason for Selling NA 2/500

Are you open to negotiation? ☐

Upload Images*

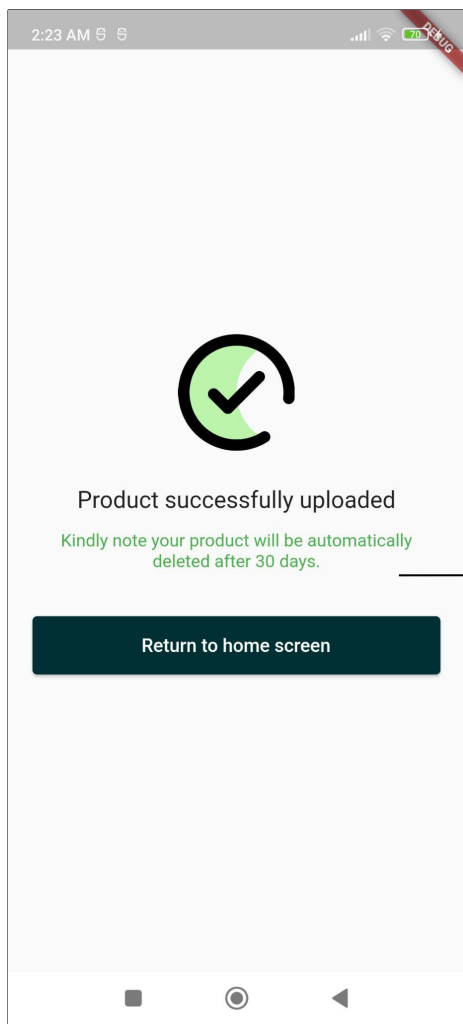
Submit



Description Page

→ User can use any of these tools available to format the description of the product

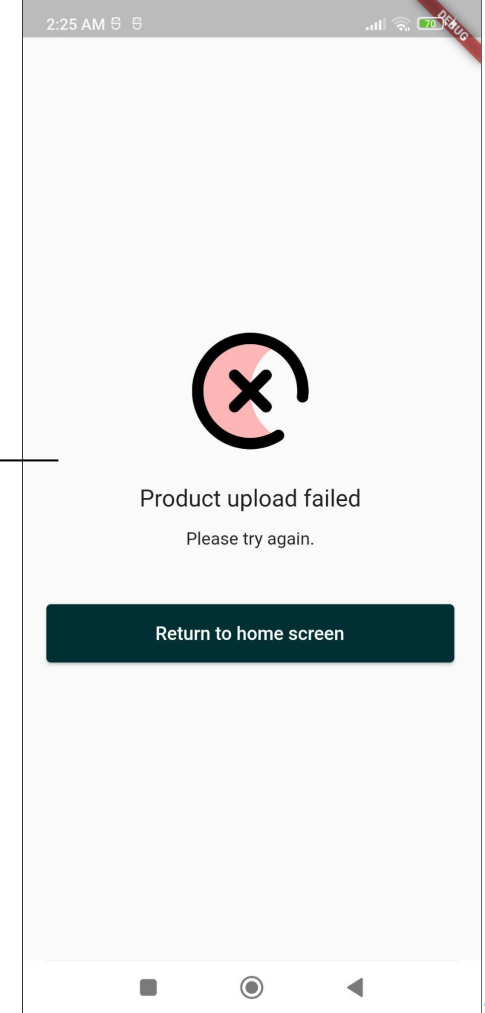
→ Save the description

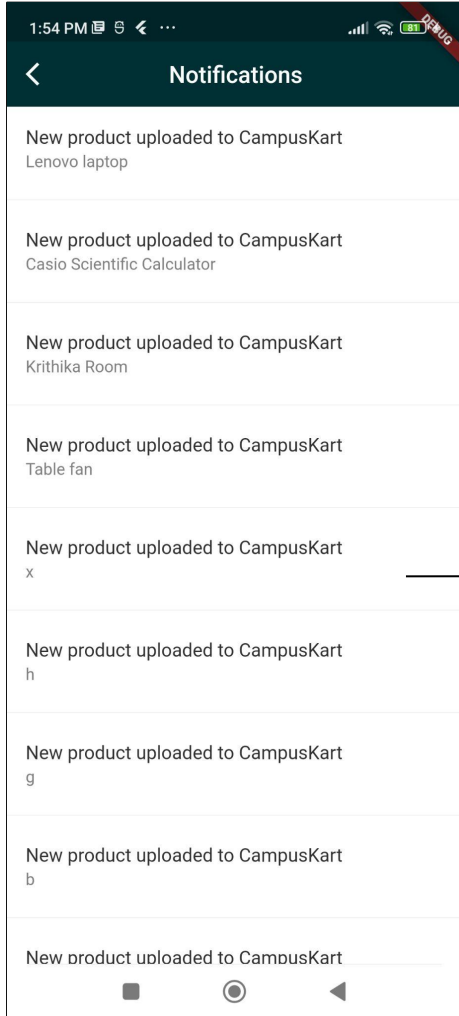


Product upload successful/
unsuccessful

Product upload
failed

Product upload
Successful.
Products are live
for 30 days



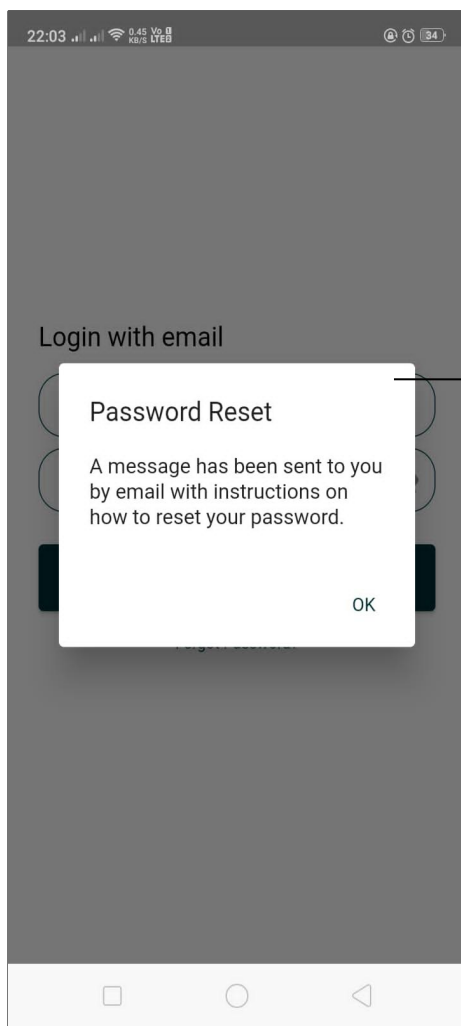


Notifications

Push Notifications
shown on screen

Notifications of all the products
uploaded

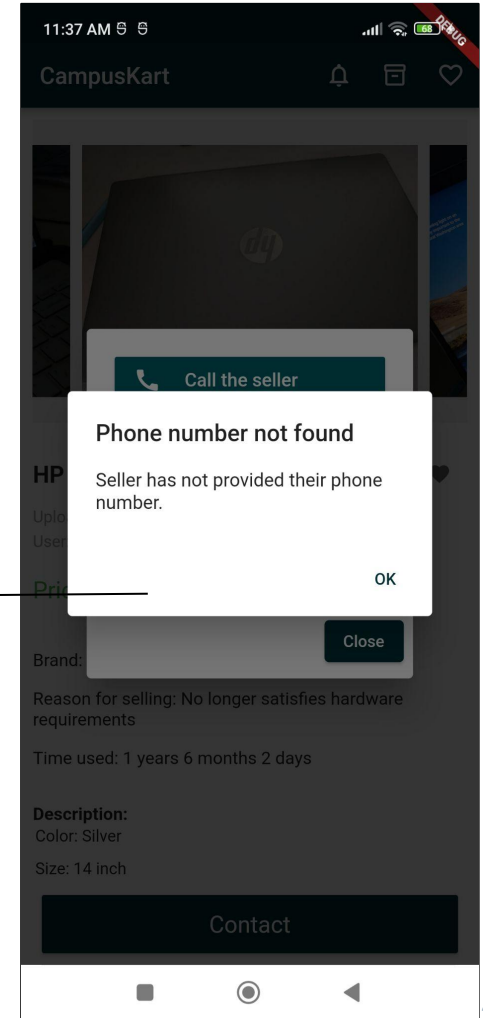




Pop Ups

Pop up shown on forgot password .

Pop up shown when the seller has not provided their phone number and a buyer tries to contact them by calling, whatsapp or SMS.



Team Members and Individual Contributions

Antara Agarwal

- Edit profile
- Navigate directly to home page on opening app if user was already logged in
- User authentication (Register, Login, forgot password, email verification)
- Wishlist
- Profile page - (display user details, sign-out)

Krithika Goyal

- Search by title
- Search by user
- Product upload with images (also html editor for product description)
- Edit your uploaded products
- Select profile picture
- Notifications

Nupur Rathi

- Fetch and Display products list and individual products
- Recent products
- Browse categories
- Sort and Filter products
- Contact the seller - whatsapp, SMS, call, email
- Your Uploaded products - display and delete

We developed many small features like navigation stack push and pop, UI designing etc. and fixed many bugs together.

Credits

Special thanks to our mentor Dr. Puneet Goyal who guided us throughout our project. Thank you to our TAs who also assisted us.

Also thanks to all our team members who worked hard and made this application possible.

THANKS