Reseller Application

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REST API’s required:

1. GET - To get all Advertisements displayed in the home page.(On page load)

/home

Response: List of Advertisement objects

Eg:

[

{

"ad\_id": "ad\_id 1",

"seller\_id": "seller\_id 1",

"subcategory\_id": "subcategory\_id 1",

"category\_id": "category\_id 1",

"product\_name": "product\_name 1",

"category\_name": "category\_name 1",

"description": "description 1",

"price": 11,

"views": 28,

"date\_posted": 1674654054,

"Image": "https://loremflickr.com/640/480",

"id": "1"

},

{

"ad\_id": "ad\_id 2",

"seller\_id": "seller\_id 2",

"subcategory\_id": "subcategory\_id 2",

"category\_id": "category\_id 2",

"product\_name": "product\_name 2",

"category\_name": "category\_name 2",

"description": "description 2",

"price": 31,

"views": 54,

"date\_posted": 1674653994,

"Image": "https://loremflickr.com/640/480",

"id": "2"

}

]

1. GET - To get the general category and subcategory details of the products available to display in the filter section.

/home

Response: List of Objects

Eg:

[

{

"category\_name": "Phone",

"Subcategories": [ "Apple", "Oneplus","Samsung","Vivo"],

"id": "1"

},

{

"category\_name": "Laptop",

"Subcategories": ["Asus","Macbook","Lenovo","Acer"],

"id": "2"

}

]

1. GET - To get items based on category

/{category} Eg :/mobile

Response: List of Objects

Eg:

[

{

"ad\_id": "ad\_id 1",

"seller\_id": "seller\_id 1",

"subcategory\_id": "subcategory\_id 1",

"category\_id": "category\_id 1",

"product\_name": "product\_name 1",

"category\_name": "category\_name 1",

"description": "description 1",

"price": 11,

"views": 28,

"date\_posted": 1674654054,

"Image": "https://loremflickr.com/640/480",

"id": "1"

},

{

"ad\_id": "ad\_id 2",

"seller\_id": "seller\_id 2",

"subcategory\_id": "subcategory\_id 2",

"category\_id": "category\_id 2",

"product\_name": "product\_name 2",

"category\_name": "category\_name 2",

"description": "description 2",

"price": 31,

"views": 54,

"date\_posted": 1674653994,

"Image": "https://loremflickr.com/640/480",

"id": "2"

}

]

1. POST - To mark that the user has viewed the specific product to maintain the view count of each product.

/viewlist

Input : Advertisement\_ID(Inetger),

user\_ID.(Integer)

Response: Status(200) for success

Status(401) for failed.

1. POST - Login request.

Input: Username, password.

Response: status code - 200 (successful login)

* 401 (Authentication failed)

1. POST - Buy product( when the user clicks the buy button in the advertisement view)

Input: Advertisement\_id, user\_id

Response: Status(200) Success

Status(401) failure

1. POST - Quote an amount to a specified product

Input: User\_id, Advertisement\_id, quoted\_amount, date

Response : Status(200) for success./ (401) for failure

1. POST - post advertisement for the product you want to sell.

Input : seller\_Id, buyer\_Id, category\_Id, Supplier\_id, Description,

Price, Minimum price(Intger), Images.(Image URI)/String

Response: Status(200) for success

1. GET - pending advertisement

Input : Id (String)

sellerId(String)

1. GET -Check minimum price amount

Input: Advertisement\_id: (Integer)

Response : True/False.

1. GET - To get the purchased products or properties details by user

Input : User\_id: (Integer)

/{user\_id}/MyProducts

Response: List of Objects

Eg:

[

{

"ad\_id": "ad\_id 1",

"seller\_id": "seller\_id 1",

"subcategory\_id": "subcategory\_id 1",

"category\_id": "category\_id 1",

"product\_name": "product\_name 1",

"category\_name": "category\_name 1",

"description": "description 1",

"price": 11,

"views": 28,

"date\_posted": 1674654054,

"Image": "https://loremflickr.com/640/480",

"id": "1"

},

{

"ad\_id": "ad\_id 2",

"seller\_id": "seller\_id 2",

"subcategory\_id": "subcategory\_id 2",

"category\_id": "category\_id 2",

"product\_name": "product\_name 2",

"category\_name": "category\_name 2",

"description": "description 2",

"price": 31,

"views": 54,

"date\_posted": 1674653994,

"Image": "https://loremflickr.com/640/480",

"id": "2"

}

]

1. GET - To get the products sold by the user

Input : user\_id (Integer)

/{user\_id}/soldProducts

Response

[

{

"ad\_id": "ad\_id 1",

"seller\_id": "seller\_id 1",

"subcategory\_id": "subcategory\_id 1",

"category\_id": "category\_id 1",

"product\_name": "product\_name 1",

"category\_name": "category\_name 1",

"description": "description 1",

"price": 11,

"views": 28,

"date\_posted": 1674654054,

"Image": "https://loremflickr.com/640/480",

"id": "1"

}, {....}]

1. GET - To get the list of advertisements that are still not purchased

Input:

Input: user\_id (Integer)

/{user\_id}/advertisements

Eg:

[

{

"ad\_id": "ad\_id 1",

"seller\_id": "seller\_id 1",

"subcategory\_id": "subcategory\_id 1",

"category\_id": "category\_id 1",

"product\_name": "product\_name 1",

"category\_name": "category\_name 1",

"description": "description 1",

"price": 11,

"views": 28,

"date\_posted": 1674654054,

"Image": "https://loremflickr.com/640/480",

"id": "1"

}, {....}]

1. GET - to get the total views of the product when advertisement is displayed

Response: Total views(Integer) .

1. PUT - to accept the quote amount of any buyer and approving the purchase of the product.

Input: Ad\_id (Integer)

Buyer\_id (Integer)

Seller\_id (Integer)

Final price ( Integer)

1. PUT - To update the advertisement details

Input : User Id (Integer)

Advertisement object (Advertisement class)

1. DELETE - To delete the advertisement

Input: User\_id (Integer)

Advertisement object (Advertisement class)

Response:

Status: 200(success)

1. DELETE - Revoke the quote request for buying the product by the buyer.

Input : user\_id(Integer)

Advertisement\_id(Integer)

Response :

Status : 200(success)/ (401) Authentication failed)

1. PUT - Update the minimum price of the Advertised product

Input: user\_id (Integer),

Advertisement\_id ( Integer)

Minimum price (Integer)

Response:

Status : 200 (success)

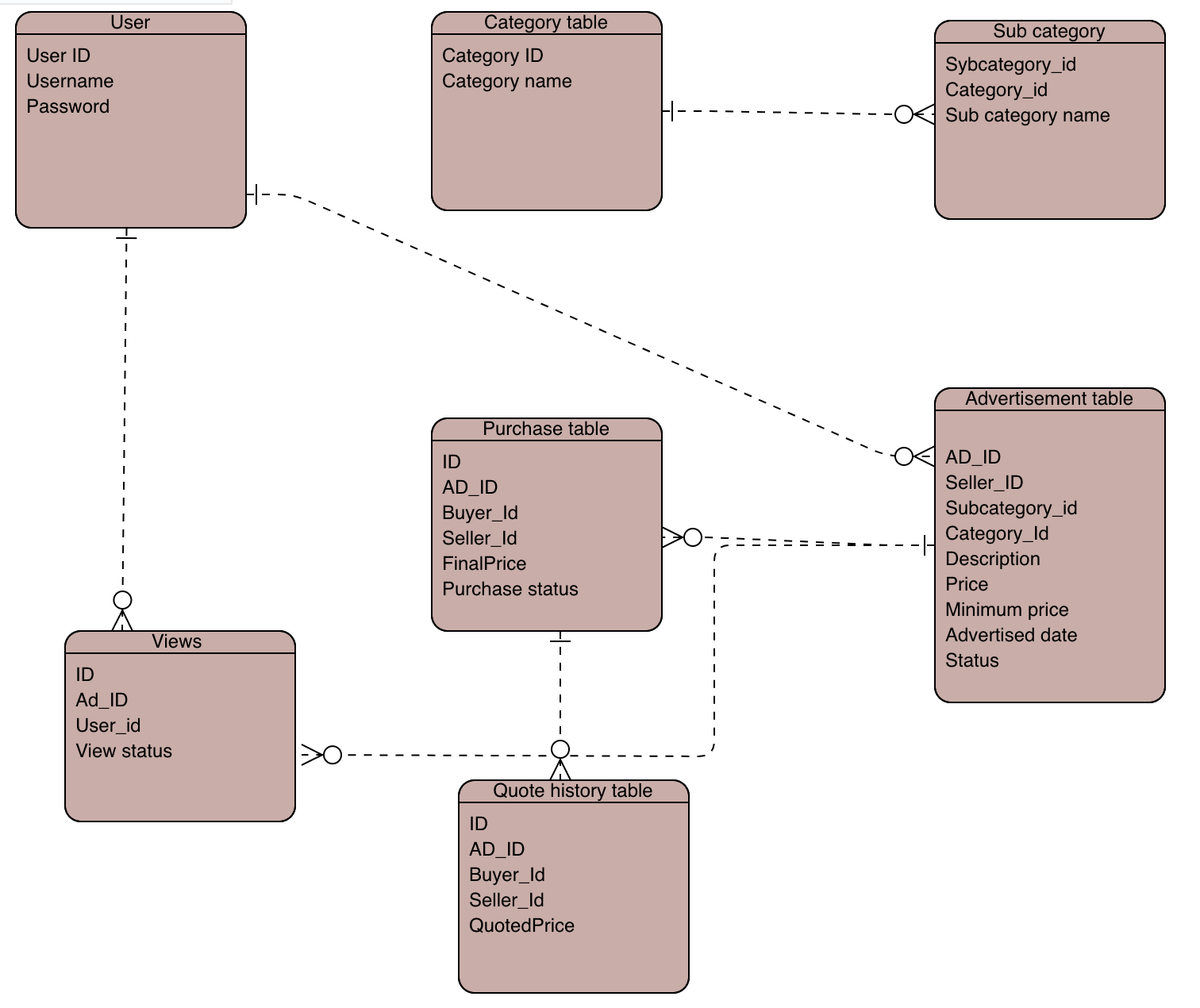
1. GET - To get the top quoted amount for an advertisement

Input - ad\_id (Integer)

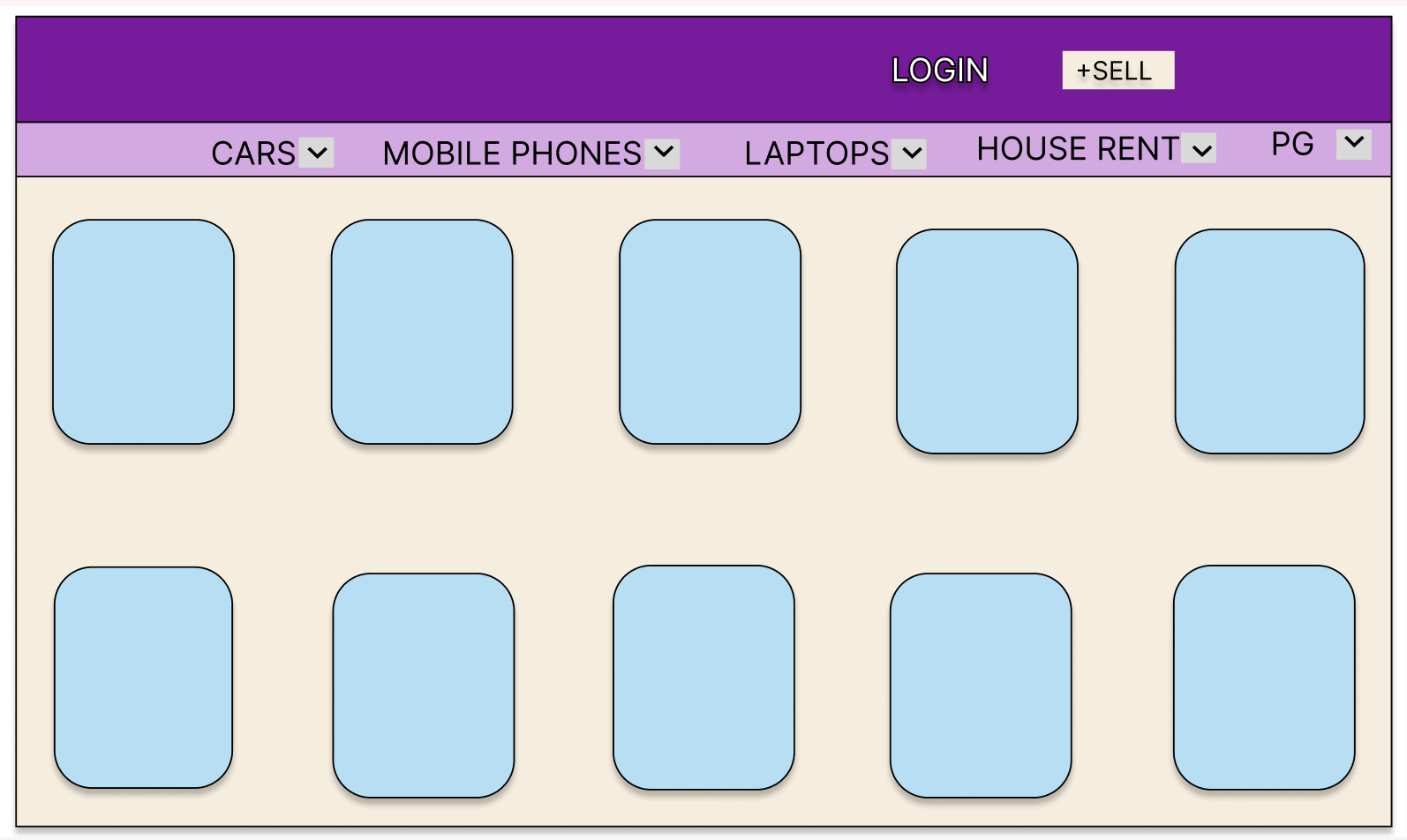
Response :

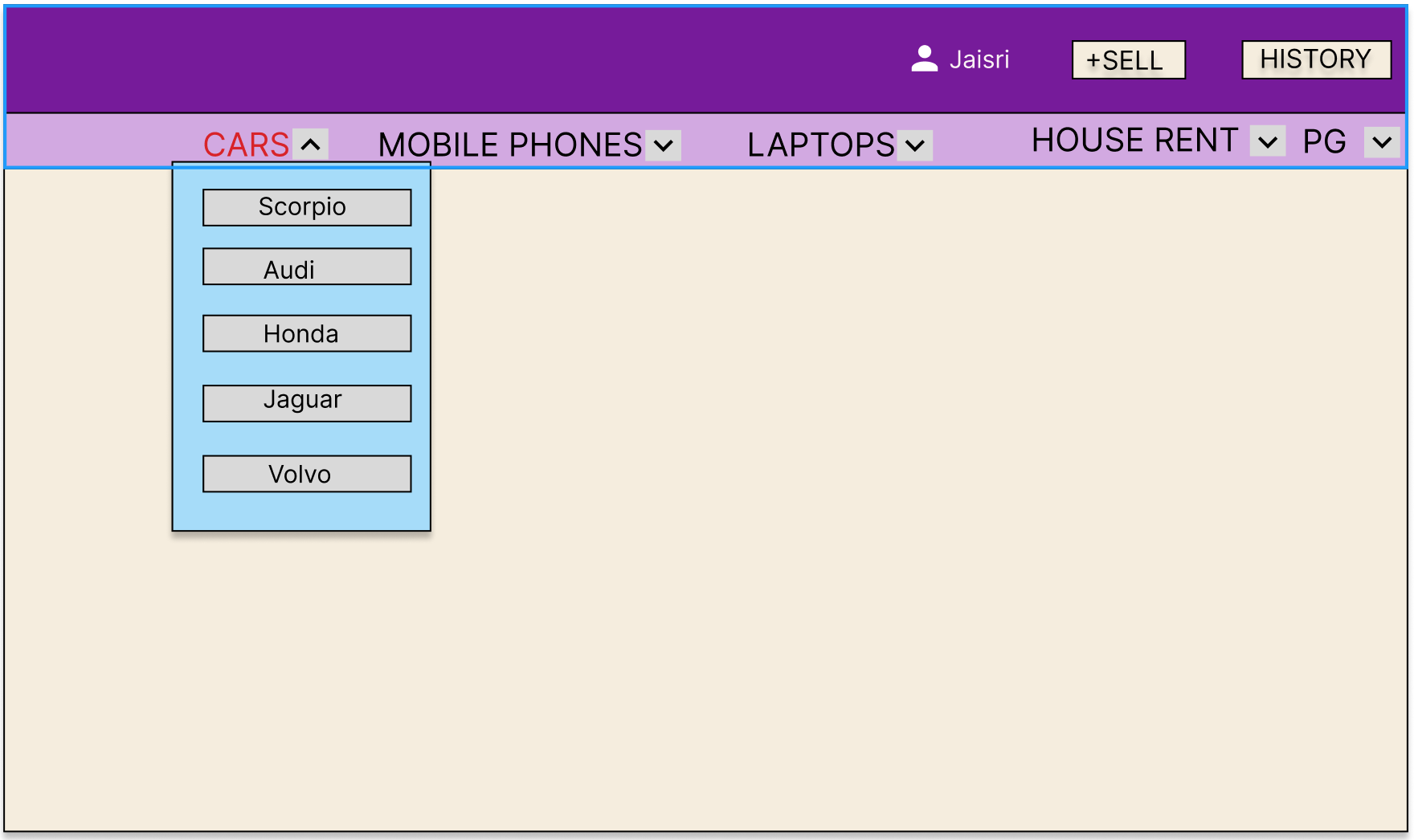
Eg: {user\_id: 101, quoted amount : 20000}

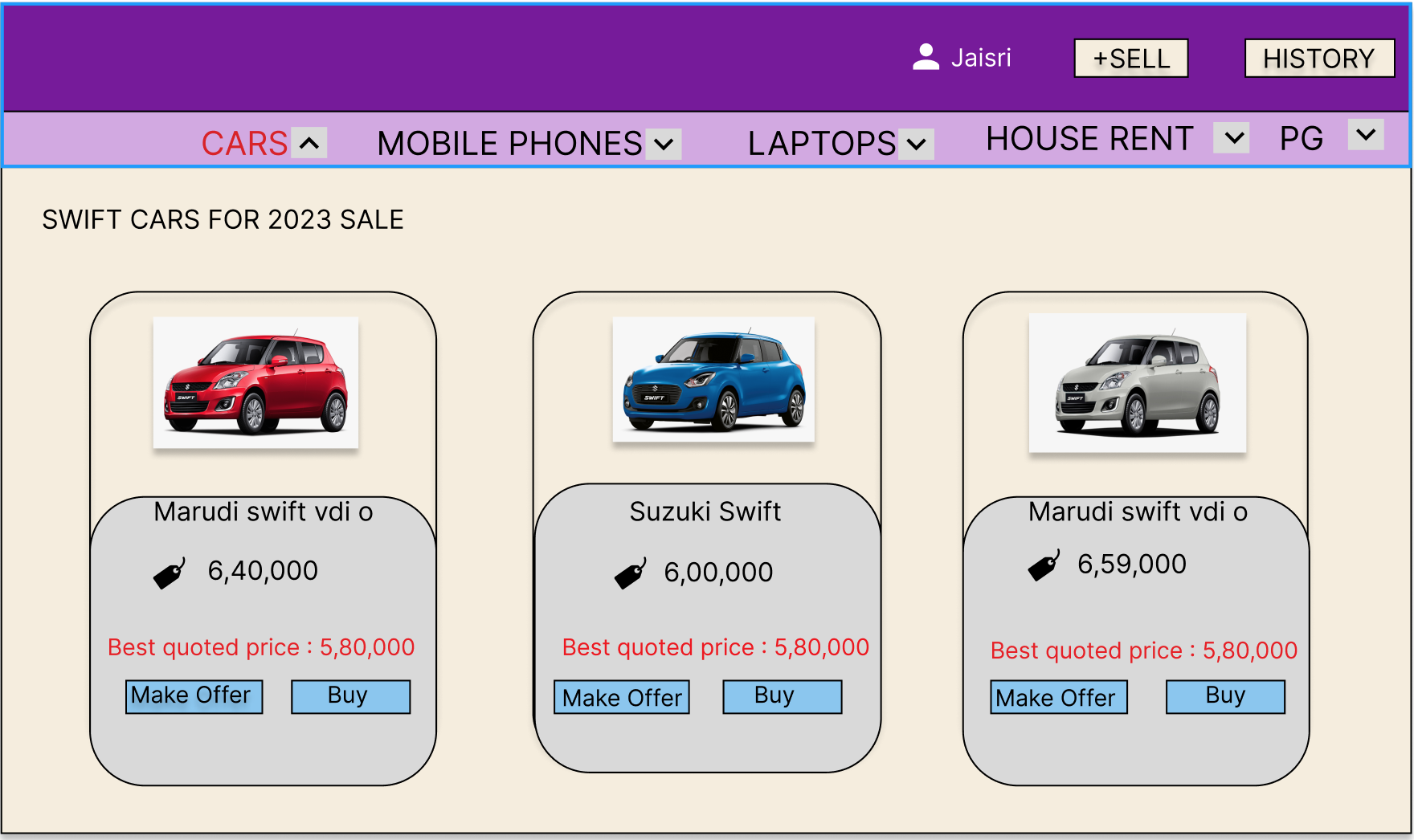
Table design:



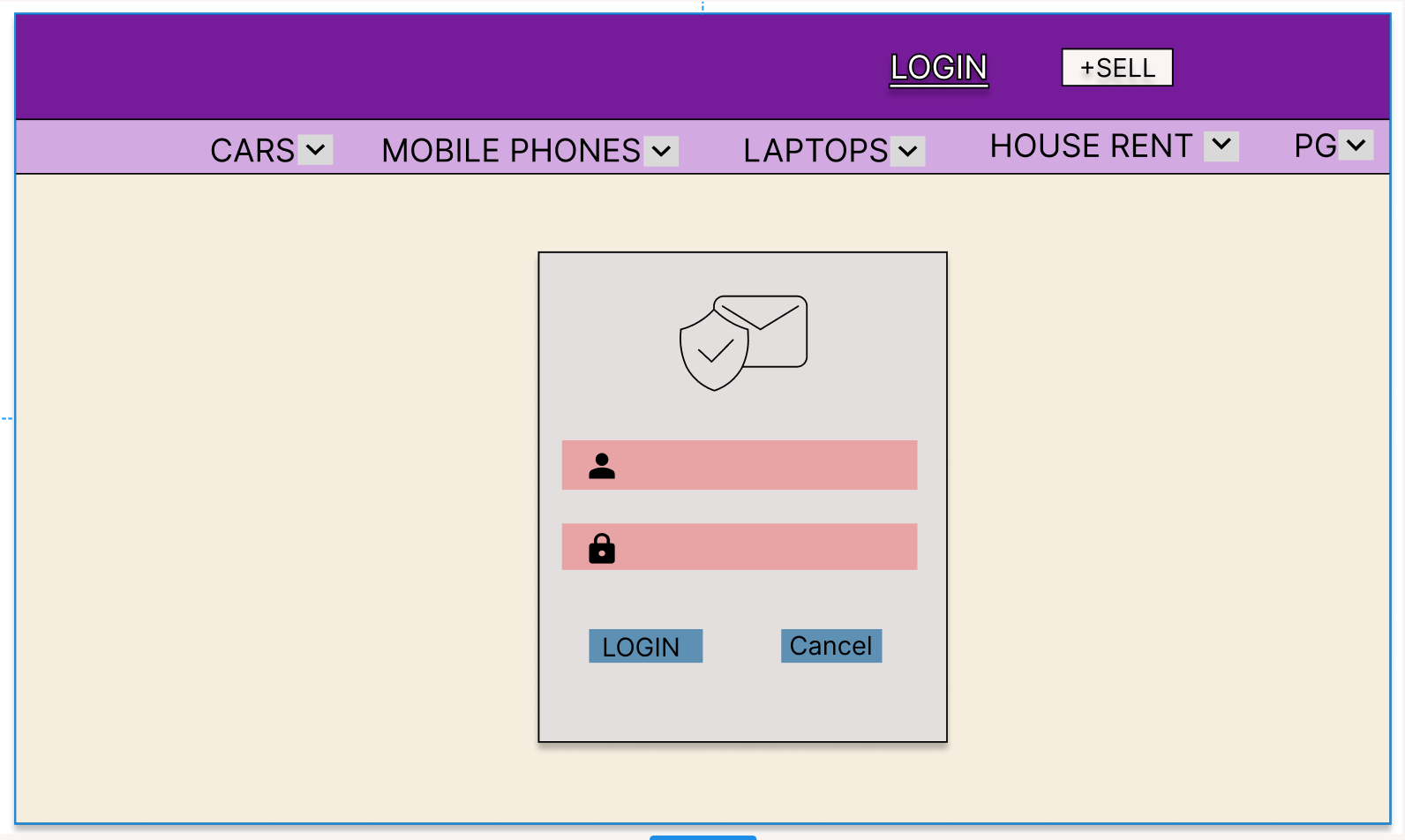
UI Screens:

Home page

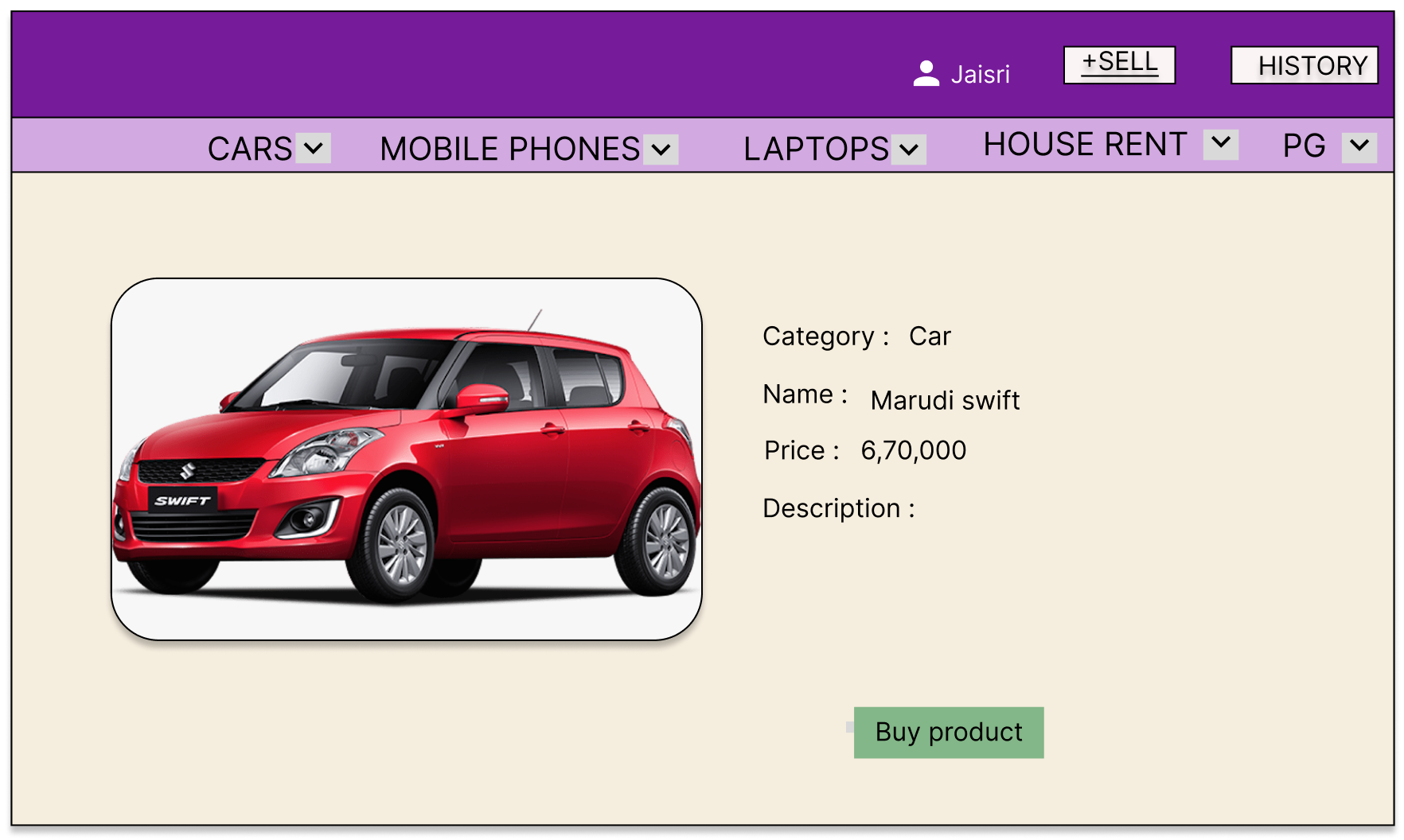




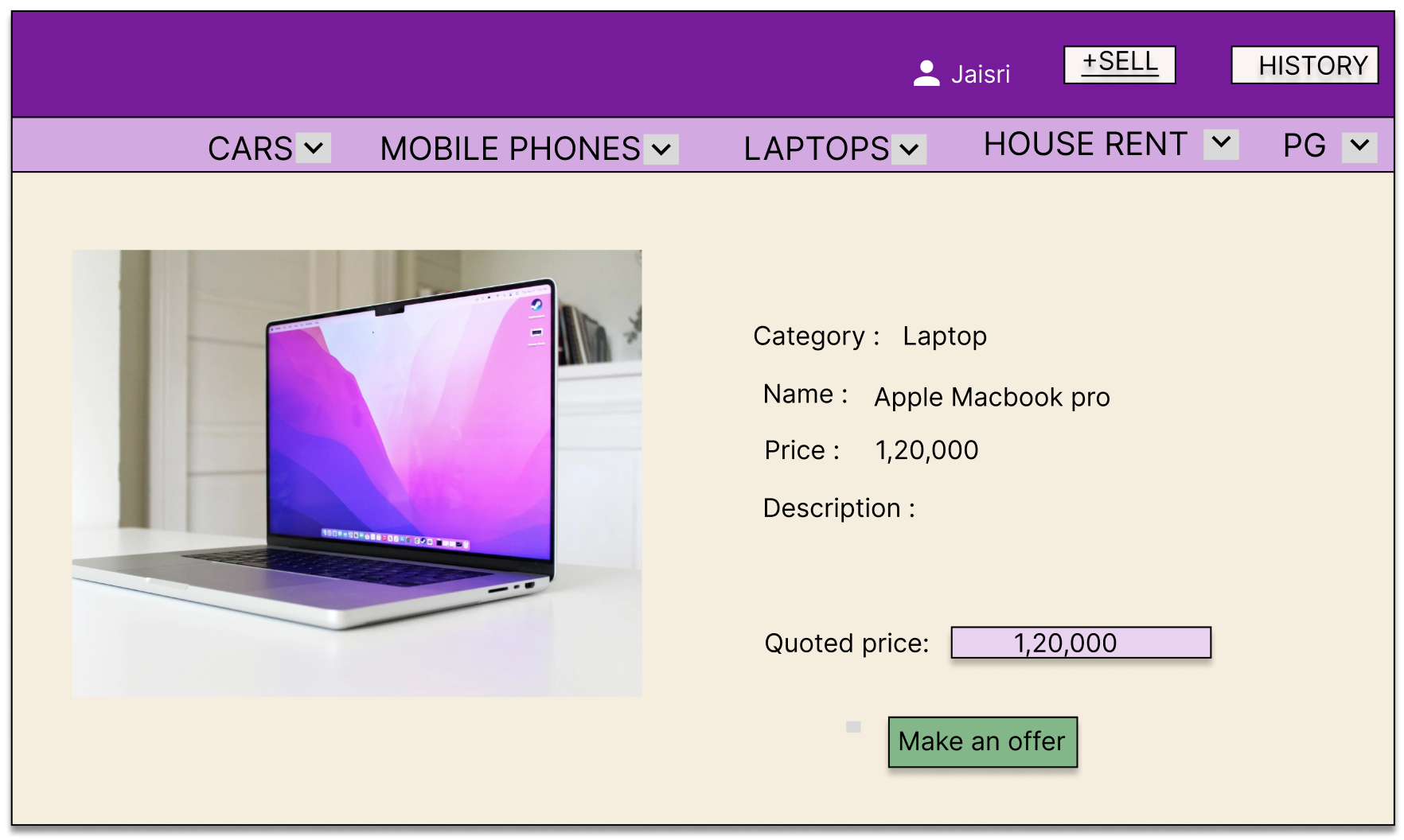
Login page:



Purchase product



Make offer request



User history

