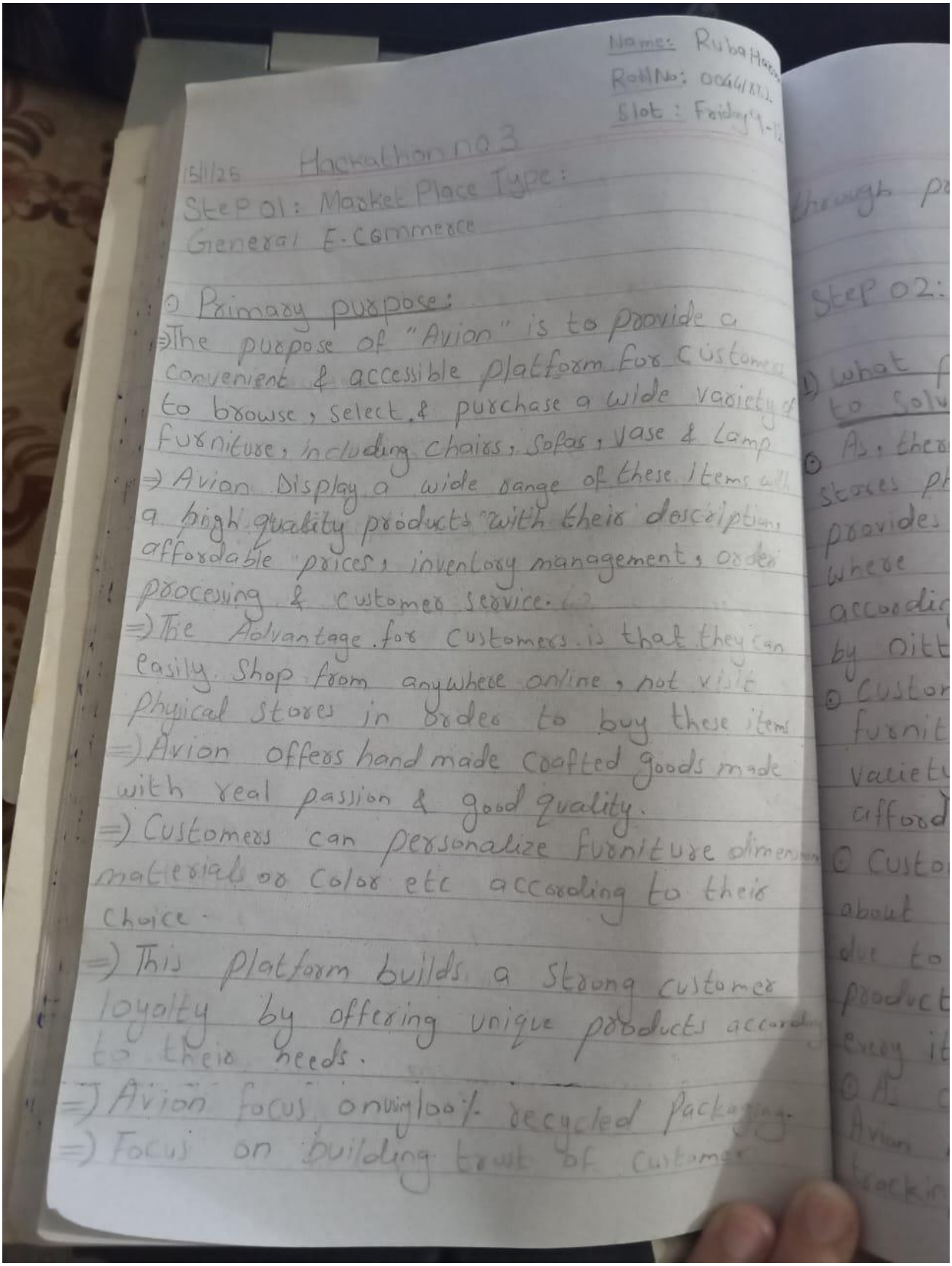
DAY 1: MARKETPLACE-AVION:



Name: Ruba Hara
Roll No: 0044/XX2
Slot: Friday 9-12

15/1/25 Hackathon no 3

Step 01: Market Place Type:
General E-Commerce

⊙ Primary purpose:

⇒ The purpose of "Avion" is to provide a convenient & accessible platform for customers to browse, select & purchase a wide variety of furniture, including chairs, Sofas, vase & Lamp

⇒ Avion Display a wide range of these items with a high quality products with their description, affordable prices, inventory management, order processing & customer service.

⇒ The Advantage for customers is that they can easily shop from anywhere online, not visit physical stores in order to buy these items

⇒ Avion offers hand made crafted goods made with real passion & good quality.

⇒ Customers can personalize furniture dimensions materials or color etc according to their choice.

⇒ This platform builds a strong customer loyalty by offering unique products according to their needs.

⇒ Avion focus on using 100% recycled packaging.

⇒ Focus on building trust of customer

Name: Ruba Haram
Roll No: 0046/882
Slot: Friday 9-12

through premium quality.

Step 02: Define your Business Goals:

1) what problem does your market place aim to solve?

- As, there is a limited Accessibility of furniture stores physically in some areas. So, Avion provides a wide variety of online platform where they can easily order furniture items according to their demand & affordable prices by sitting at homes.
- Customers Struggle to find unique or customizable furniture styles. So, Avion offers customizable variety of styles with high quality & with affordable prices
- Customers often lack detailed information about the dimension or materials of their item due to rush hours. So, Avion provide detailed product description, materials or dimension for every item.
- As customers are uncertain about delivery, so Avion maintain real time inventory update & tracking for their peace of mind

2) Who is your Target Audience?

⊙ Young professionals looking for Affordable, modern or stylish furniture for smaller living spaces

⊙ Families needs durable, comfortable & high quality furniture for their use.

⊙ Interior Designers & Architects who needs customizable designs & want in bulk purchasing so it is a reliable platform for them.

⊙ Office Managers who want customizable furniture in bulk quantity.

3) What Products or Services will you offer?

⇒ Avion will offer high quality products with affordable prices according to their demand such as:

⊙ Chairs
⊙ Sofas
⊙ Vase set
⊙ Lamps

⇒ The Services which Avion offers:

⊙ Allow customers to customize products such as fabric, color.

⊙ Provide high quality products to them with affordable prices

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⊙ provide door step delivery service & they easily get detailed description of their products.

4) What will set your market place apart?

⊙ Customization: Offers handmade vase sets, chairs etc & customer can customize furniture such as fabric, color according to their choice.

⊙ Eco-Friendly: provide eco-friendly furniture crafted from recycled materials.

⊙ Customer Support: keep customers updated with timely delivery & order tracking notifications. solve their queries related to any thing. interact with them through social platforms such as Facebook, instagram & official page.

⊙ Benefits & Rewards: Offer free shipping or discounts for our regular customers

⊙ Affordability: offer competitive price with offers.

Step3: Create a Data Schema:

1) Identify the entities in your Market place:

⊙ Product Schema

=) Product ID : Unique => primary key (1)
=) Pr Name : String => Dandy Chair
=) orgprice : Number => $ 260
=) description : String => A timeless design with Premium
=) Image : Asset url => image. url
=) Stock : Number => 50
=) Category : String => Chair
=) Color : String[] => [#00000, #FFFFF]
=) Size : String[] => [Small, Medium, Large]
=) tags : String [] => [Featured, New Arrival]
=) Discountedprice : Number => $ 100
=) Dimension : Number => (height, width, d

⊙ Order Schema:

=) Order ID : primary key => 50
=) Customer ID : Foreign key => 10
=) product ID : Foreign key => 1
=) Quantity : Number => 3
=) Total price : Number => $ 750
=) Status : String => (Pending, Shipped)

Customer Schema:

- Customer ID : Primary key => 10
- Customer Name : String => Ruba Hassan
- Email : String => ruba hassan@gmail.com
- Address : String => North Nazimabad, Karachi
- Phone NO : Number => 03345689011
- Order history : String[] => [100, 101, 102]

Delivery Zone:

- Zone ID: Primary key => 456
- Zone Name: String => Nazimabad
- Coverage Area: String => Abbasi Shaheed
- Assigned Driver: String => Ahmed
- Delivery Time: String => 2 days

Shipment:

- ShipID : Primary key => 42
- Order ID : primary key => 50
- Status: String => Active
- Delivery date: String => 07-01-25

Payment:

- Order ID: Primary key => 50
- Product ID: Foreign key => 1
- Total Amount: Number => $750
- Payment Status: String => [Pending, completed]

2) Draw Relationship b/w Entities.

[Products]
- ID =) 1
- Name =) Dandy Chair
- Price =) $250
- Description =) A timeless design with premium quality
- Image =) image.url
- Stock =) 50
- Category =) Chair
- Tags =) Featured
- Color/size =) #FFF,S
- Dimension =) Height
- Discounted price =) $100

[Customer]
- CustomerID =) 10
- Customer Name =) Ruba Haroon
- Email =) ruba haroon@gmail.com
- Address =) North Nazimabad, Block
- Phone No =) 03345689011
- order history =) [100, 101, 102]

[order]
- order ID =) 50
- Cust ID =) 10
- Product ID =) 1
- Quantity =) 3
- Total price =) $750
- Status =) (Pending, Shipped)

[Payment]
- order ID : 50
- Product ID : 1
- Total Amount : $750
- status : [pending, complete]

[Shipment]
- Shipment ID =) 42
- order ID =) 50
- Status =) Active
- Delivery date =) 7-1-25

[Delivery Zone]
- Zone ID =
- Name =
- Area =
- Assigned
dates