

Hackathon "Day #1" Date \_\_\_\_\_

## "Laying the foundation - For Your Marketplace Journey:"

### 1: Market Place type:

\* General E-Commerce:

: General e-commerce is to enable online shopping for consumers. It allows people to shop from anywhere, buy products and services from various sellers, make online payments, and have their purchases delivered to their doorstep.

### 1.1: Key benefits of E-Commerce:

1: Convenience      2: Cost-Effectiveness

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3: Time Saving      4: Wider Selection

5: Enhanced Experience      6: Security

## 2: Business Goals:

\* What does your marketplace aim to solve?

\* A shoes marketplace solves key challenges for buyers and Sellers. It offers a wide selection of authentic shoes, detailed size charts and easy prices comparison. Buyers can make informed decisions with transparent reviews and ratings.

\* Who is your target audience?

1: Male      2: Female      3: Kids

4: Online shoppers      5: Active social media user

6: Busy Professionals.



\* What product or services will you offered?

. Products:

- 1: **Men's Shoes**: formal shoes, casual shoes, boots, sneakers, loafers, etc.
- 2: **Women's Shoes**: Heels, flats, boots, sandals, sneakers, wedges, etc.
- 3: **Kid's Shoes**: School shoes, casual shoes, boot, sneakers, lighting shoes, etc.
- 4: **Sport's shoes**: Running shoes, basket ball shoes, foot ball shoes, etc.
- 5: **Luxury shoes**: High-end designer shoes from premium brands.



## \* Services:

- 1: **Free shipping:** On order above a certain amount or on specific products.
- 2: **Easy Return:** Hassle-free returns and exchange within a specified timeframe.
- 3: **Size Recommendations:** Personalized size suggestions based on consumer's foot measurements.
- 4: **Style Advice:** Expert advice on shoe styles, trends and pairing suggestion.
- 5: **Loyalty Program:** Rewards and discounts for repeat customers.



6: **Shoe Care Service:** Cleaning, polishing, and protection services for shoes.

7: **Gift Wrapping:** Optional gift wrapping services for special occasions.

8: **Warranty Service:** Repair or replacement services during the warranty period.

3: **Data Schema:**

\* **Entities:**

1: **Buyers:** Individuals or organizations purchasing shoes on the platform.

2: **Sellers:** Individuals or organization selling shoes on the platform.

3: **Shoes:** The products being bought and sold on the platform.



- 4: **Orders:** The transactions made between buyers and sellers.
- 5: **Payments:** The financial transactions processed through the platform.
- 6: **Reviews:** Feedback and ratings provided by buyers for sellers and product.
- 7: **Categories:** Grouping of shoes by type (e.g., men's, women's, kids, sports).
- 8: **Brands:** The manufacturers or designers of the shoes.

# \* Relationship between entities:

Buyer:

[id] [name] [email]

Order:

[id] [buyer id] [seller id] [date]

Shoe:

[id] [name] [price] [category] [brand]

Seller:

[id] [name] [email]

Review:

[id] [buyer id] [seller id] [shoe id] [text]

Rating:

[id] [buyer id] [seller id] [shoe id] [rate]

Payment:

[id] [order id] [date] [amount]

Category:

[id] [name]

Brand:

[id] [name]



\* Focus on key fields for each entity:

1. Buyer: id (PK), name, email.
2. Seller: id (PK), name, email.
3. Shoe: id (PK), name, price, category-id (FK), brand-id (FK)
4. Order: id (PK), buyer-id (FK), seller-id (FK), date.
5. Order item: id (PK), order-id (FK), Shoe-id (FK), quantity.
6. Payment: id (PK), order-id (FK), date, amount.
7. Review: id (PK), buyer-id (FK), seller-id (FK), Shoe-id (FK), text, rating.
8. Category & Brand: id (PK), name.