Name: Arvind Raman (1002050501)
Dharush Raj (1002073155)
Prajakta More (1001924287)

USER (User Id, email, fname, mname, lname, size, DOB)

USER-ADDRESS (User Id, Apt #, City, state, type, street, zipcode)

SELLER (Seller Id, email, fname, mname, lname, size, DOB)

BUYER (Buyer Id, email, fname, mname, lname, size, DOB)

REVIEWS (Review Id, Rating, Comments, SKU, Seller Id, shoeSKU)

SHOES (SKU, Colour, Year of Manufacture, price, model name)

STOCK AVAILABILITY (SKU, size, qty)

ORDERS (order Id, qty, price, size, SKU)

PURCHASE HISTORY (SKU, Buyer Id, date, qty)

USER-VIEWS (UserID, shoeSKU)

LISTS (Seller ID, SKU, listing price)

PLACES (Buyer ID, Order Id)

ADDS (Buyer ID, Review Id)

ACCESS (shoe SKU, stock SKU)

UPDATES (order ID, Stock SKU)

CANDIDATE KEYS:

USER $\longrightarrow$ User Id
Email

SELLER $\rightarrow$ Seller ID
Email

BUYER $\rightarrow$ Buyer ID
Bank Details
Email

REVIEWS $\rightarrow$ Review ID
SKU
Seller ID

SHOES $\rightarrow$ SKU

STOCK AVAILABILITY $\rightarrow$ SKU

ORDERS $\rightarrow$ Order ID
SKU

FUNCTIONAL DEPENDENCY:

USER :

User Id → {Email, fname, mname, lname, size, DOB}
Email → {UserId, fname, mname, lname, size, DOB}

SELLER :

Seller ID → Email, fname, mname, lname, size, DOB

{DOB, Email} → {Seller ID, fname, mname, lname, size}

BUYER: Buyer ID → {Email, fname, mname, lname, size, DOB}

Email → {Buyer ID, fname, mname, lname, size, DOB}

REVIEWS: Review ID → {Rating, comments, SKU, SellerID}

{Seller ID, SKU} → {Review ID, Rating, comments}

SHOES : SKU → {colour, Year of Manufacture, price, model name}

STOCK AVAILAIBILITY: SKU → {size, qty}

ORDERS: order Id → {qty, price, size, sku}

SKU → {order Id, qty, price, size}