Based on the updated User table with the fields you mentioned, here's an expanded relational schema that includes additional tables and their relationships:

1. User Table:

- user\_id (Primary Key)

- firstName

- lastName

- broker\_id (Foreign Key referencing Broker table)

- email

- mobile

- username

- password (hashed and salted)

2. Broker Table:

- broker\_id (Primary Key)

- broker\_name

- location

3. Account Table:

- account\_id (Primary Key)

- user\_id (Foreign Key referencing User table)

- account\_number

- balance

4. Stock Table:

- stock\_id (Primary Key)

- symbol

- name

- current\_price

5. Portfolio Table:

- portfolio\_id (Primary Key)

- user\_id (Foreign Key referencing User table)

- stock\_id (Foreign Key referencing Stock table)

- quantity

- purchase\_price

- purchase\_date

6. Order Table:

- order\_id (Primary Key)

- user\_id (Foreign Key referencing User table)

- stock\_id (Foreign Key referencing Stock table)

- order\_type (buy/sell)

- quantity

- order\_price

- order\_date

7. Transaction Table:

- transaction\_id (Primary Key)

- user\_id (Foreign Key referencing User table)

- transaction\_type (deposit/withdrawal)

- amount

- transaction\_date

8. Settings Table:

- user\_id (Primary Key and Foreign Key referencing User table)

- notification\_preference

- language\_preference