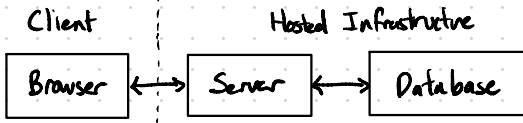


# Architecture Diagram



Browser handles client UI

- Uses React framework
- Uses Material UI for UI components
- Makes web requests to server for warehouse information / login info
  - Communicates w/ server using JSch

Server handles business logic

- Uses Flask to route incoming requests to functions
- Uses SQLAlchemy to query & update database

Database stores warehouse data

- 3 tables
  - User table - stores users
  - Transaction - stores updates to the warehouse's state
  - Item - stores item information

## Entity-Relationship Diagram

Underline - Key

Circle - Field

Rectangle - Entity

Diamond - Relation

Notes:

Transaction is External Entity refers to the third party the items are being received from or sent to.

Transaction is Transaction Type can be "In", "Out" or "Other"

Employee passwords are hashed before saving  
Admin employees can update the information of other employees

