Rentalit

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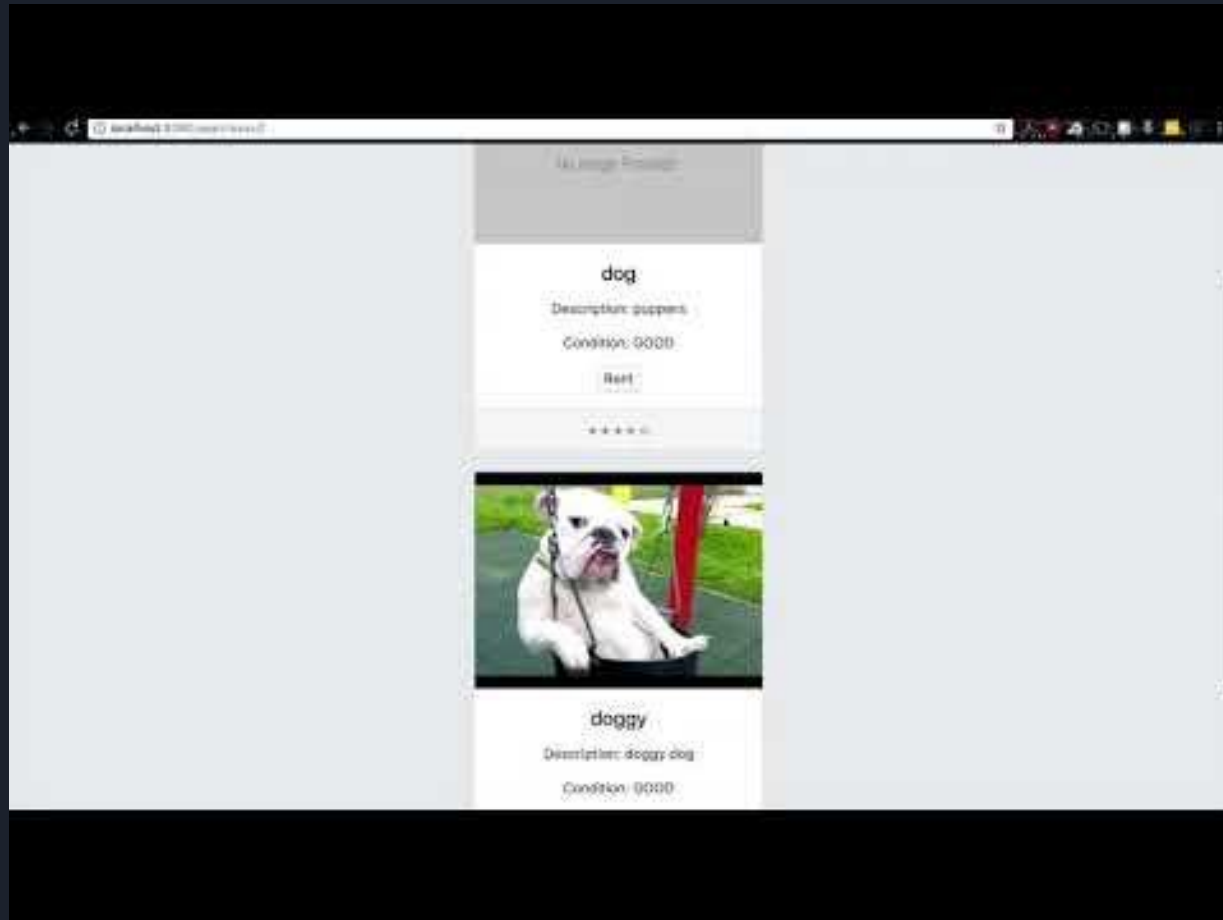
What is Rentalit?

- Rental system that allows users to post and rent everyday items.

- This service keeps track of items currently available and items that are currently rented out.
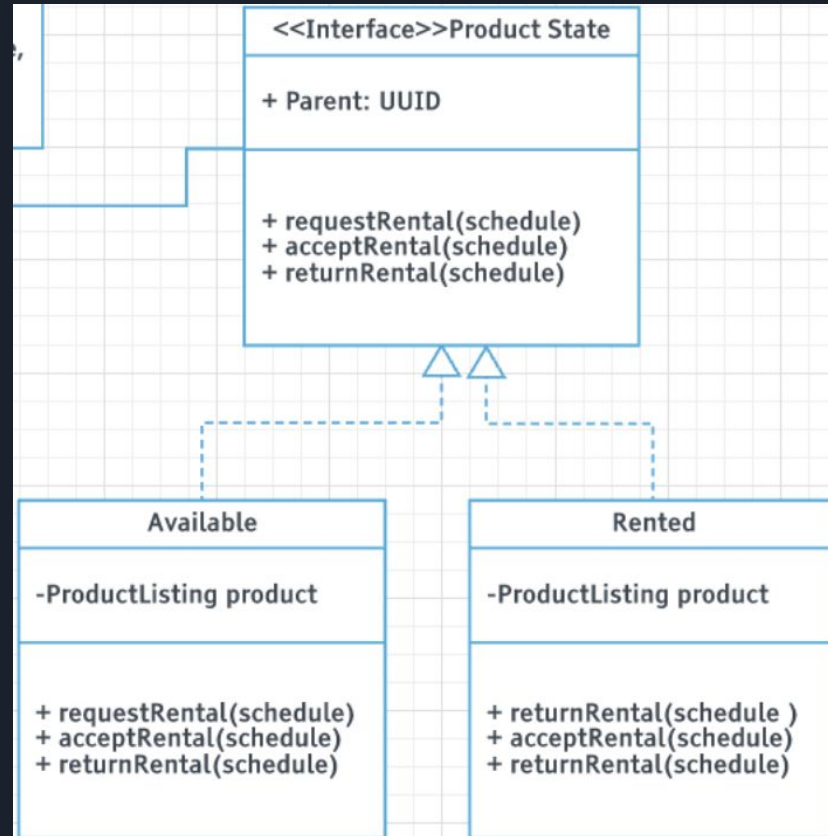
Primary Use Cases:

User Case ID:	UC-001
Use Case Name:	Rent an item
Description:	Search for an item to rent, book a time slot and rent item if owner approves

User Case ID:	UC-002
Use Case Name:	Post an item to rent
Description:	Post an item to be rented

Demo Video

State Pattern

State Pattern Uses

- State is set at deserialization
- Rental acceptance functionality depends on current state
  - Available State: Successful rental & database is updated
  - Rented State: Exception thrown in backend & user is notified on UI
- Other possibilities
  - Request rental vs. accept rental

What we should do in the future?

- User Authentication
  - Would need to create another MongoDB document holding information of User and find a way to relate that to the Product Listing.
  - Potentially need a new DB Structure.
- Return item
  - Dependant on having a User
  - Would need to change the state and revert all the changes we made in the MongoDB when we changed the state to "rented". (ie. Start Date, End Date, Rented Bit)