Features from Session object:

Log In:

Response login(String username, String password)

Response createAccount(String username, String password, String name, String email, String phoneNumber, String asurite)

// Returned response can be used to determine whether or not log-in attempt was valid (Response.ok(response), and if not, where error came from (e.g. response == Response.INVALID\_USERNAME)

Order Placement Page:

// current order

Order getOrder()

// returns pizzaId - used to update pizza

int addPizza(int pizzaType, boolean mushrooms, boolean olives, boolean onions, boolean extraCheese, int quantity)

void updatePizza(int pizzaId, int pizzaType, boolean mushrooms, boolean olives, boolean onions, boolean extraCheese, int quantity)

void removePizza(int pizzaId)

// pull up previously saved order

Order[] getSavedOrders()

float calculateTotal()

// Pizza class has static constants for prices

// e.g. Pizza.TOPPING\_PRICE

Checkout Page:

// arguments: payment information

// validate payment information(returns Response), set order status, set order delivery method, and save order

Response placeOrder(String cardNumber, String cardholderName, String exp, int deliveryMethod)

void savePaymentMethod(String cardNumber, String cardholderName, String exp, int cvv)

Payment[] getSavedPaymentMethods()

Order Status Page:

String getOrderStatusText()

Order Processor Page:

Order[] getOrdersForProcessing()

void markOrderReadyToCook(int orderId)

Chef Page:

Order[] getOrdersForCooking()

void markOrderCooking(int orderId)

void markOrderReady(int orderId)

Admin:

// create other user’s account with role of Admin, OrderProcessor, Chef, or Customer

Response createAccount(String username, String password, String name, String email, String phoneNumber, int asurite, int type)

// give other user’s account with role of Admin, OrderProcessor, Chef, or Customer

Response givePermissions(String email, int type)

Database Setup:

Session Table:

| id | time\_created | time\_updated | user\_id | order\_id | is\_closed |
| --- | --- | --- | --- | --- | --- |
| int | Timestamp | Timestamp | int | int | bool |

User Table:

| id | time\_ created | time\_ updated | username | name | user \_type | encrypted \_password | asurite | email | phone\_number | session\_id |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| int | Time stamp | Time stamp | String | String | int | String | int | String | String | int |

Order Table:

| id | time\_created | time\_updated | user\_id | status | is\_saved | delivery\_method |
| --- | --- | --- | --- | --- | --- | --- |
| int | Timestamp | Timestamp | int | int | bool | int |

Pizza Table:

| id | time\_ created | time\_ updated | order\_id | pizza\_type | mushrooms | olives | onions | extra\_ cheese | quantity |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| int | Timestamp | Timestamp | int | int | bool | bool | bool | bool | int |

Payment\_Information Table:

| id | time\_created | time\_updated | user\_id | card\_number | exp | cardholder\_name | cvv |
| --- | --- | --- | --- | --- | --- | --- | --- |
| int | Timestamp | Timestamp | int | int | int | String | int |