

Tabs — System Design Document

TEAM TABS

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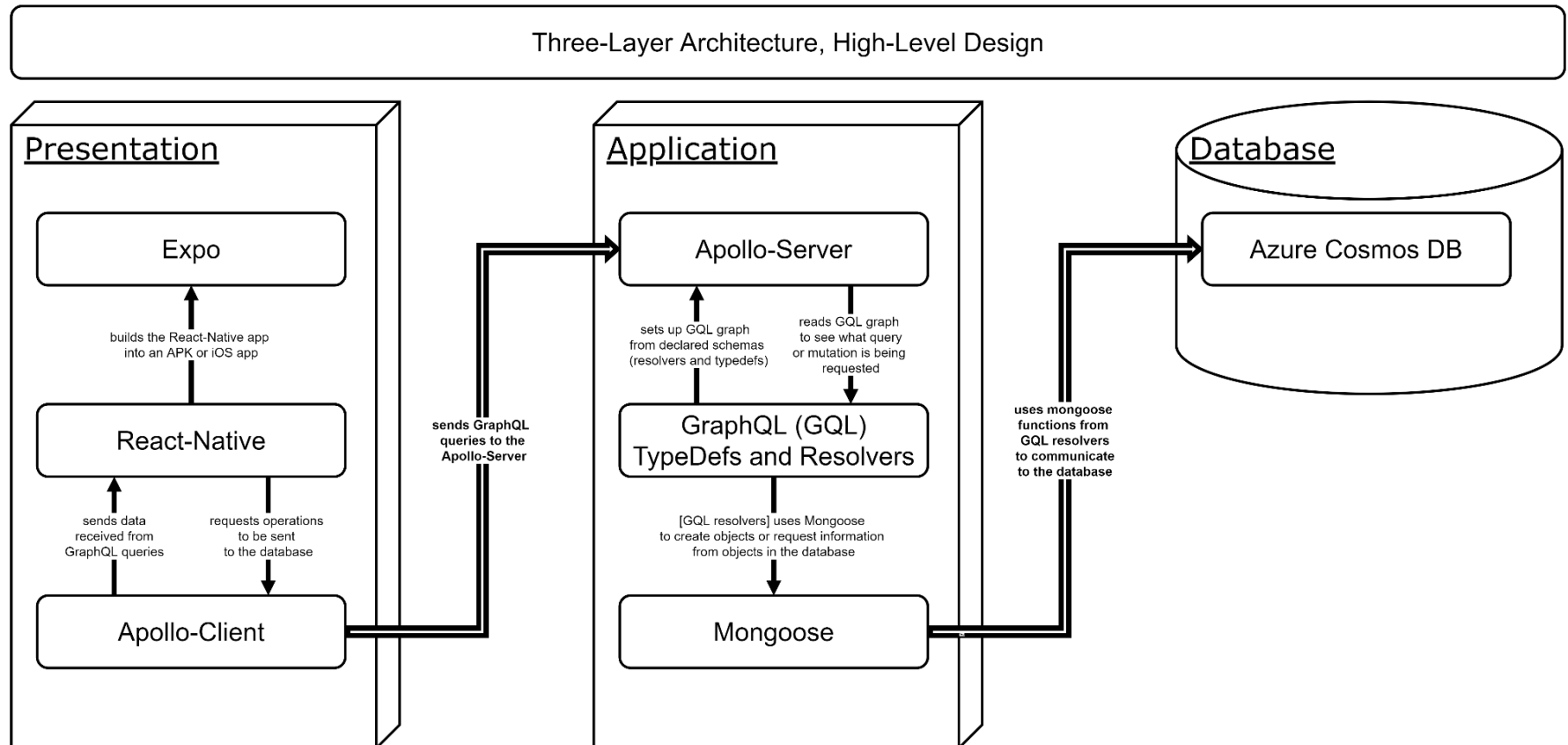
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SYSTEM ARCHITECTURE DIAGRAM



CRC CARDS

Database Models

Class name: Inventory	
Parent class:	Subclass:
Responsibilities	Class Collaborators
<ul style="list-style-type: none">• Holds a list of ItemId• Holds houseId that it belongs to• Holds creation date• Holds the creator's userId• Holds the name of the inventory• Creates new categories	<ul style="list-style-type: none">• Category

Class name: Category	
Parent class:	Subclass:
Responsibilities	Class Collaborators
<ul style="list-style-type: none">• Holds categoryId• Holds inventoryId it belongs to• Holds the name of the category• Creates new Items	<ul style="list-style-type: none">• Inventory• Item

Class name: Item	
Parent class:	Subclass:
Responsibilities	Class Collaborators
<ul style="list-style-type: none"> • Holds the owner's userID • Holds the name of the item • Holds the categoryId it is part of 	<ul style="list-style-type: none"> • Users • Category

Class name: HouseMember	
Parent class:	Subclass:
Responsibilities	Class Collaborators
<ul style="list-style-type: none"> • Holds userIds to check what houses they are • Holds the houseId 	<ul style="list-style-type: none"> • House

Class name: House	
Parent class:	Subclass:
Responsibilities	Class Collaborators
<ul style="list-style-type: none"> • Holds its own houseId • Holds the name of the house • Holds the location of the house • Holds the members of the house • Holds inventories of the house 	<ul style="list-style-type: none"> • Inventory • Users

Views

Class name: AddFoodItemView	
Parent class:	Subclass:
Responsibilities	Class Collaborators
<ul style="list-style-type: none">• Container screen for adding a food item	<ul style="list-style-type: none">•

Class name: FolderBackdropActionButton	
Parent class:	Subclass:
Responsibilities	Class Collaborators
<ul style="list-style-type: none">• Common button component for a folder backdrop• Lets the user click on a button with a consistent style	<ul style="list-style-type: none">•

Class name: FolderBackdropCheckboxInputField	
Parent class:	Subclass:
Responsibilities	Class Collaborators
<ul style="list-style-type: none">• Checkbox component for a folder backdrop• Lets the user check and uncheck an option	<ul style="list-style-type: none">• FolderItemData

Class name: FolderBackdropFragment	
Parent class:	Subclass:
Responsibilities	Class Collaborators
<ul style="list-style-type: none"> • Folder backdrop container • Gives all folder backdrops a consistent folder style 	<ul style="list-style-type: none"> •

Class name: FolderBackdropTextInputField	
Parent class:	Subclass:
Responsibilities	Class Collaborators
<ul style="list-style-type: none"> • Text input field for a folder backdrop • Lets the user enter text 	<ul style="list-style-type: none"> •

Class name: FolderItemList	
Parent class:	Subclass:
Responsibilities	Class Collaborators
<ul style="list-style-type: none"> • Shows items icons • Able to show details of items with text • Able to scroll through items 	<ul style="list-style-type: none"> • FolderItemData • •

Class name: FolderItemData	
Parent class:	Subclass: InventoryItem, InventoryCategory
Responsibilities	Class Collaborators
<ul style="list-style-type: none"> • Shows items icons • Able to show details of items with text • Able to scroll through items 	<ul style="list-style-type: none"> •

Class name: Inventory	
Parent class:	Subclass:
Responsibilities	Class Collaborators
<ul style="list-style-type: none"> • Shows items icons • Able to show details of items with text • Able to scroll through items 	<ul style="list-style-type: none"> • InventoryItem • InventoryCategory

Class name: InventoryItem	
Parent class: FolderItemData	Subclass:
Responsibilities	Class Collaborators
<ul style="list-style-type: none"> • Shows item icons • Shows items list 	<ul style="list-style-type: none"> •

Class name: InventoryCategory	
Parent class: FolderItemData	Subclass:
Responsibilities	Class Collaborators
<ul style="list-style-type: none"> Lists the items in a category 	<ul style="list-style-type: none">

Class name: DescBoxList	
Parent class:	Subclass: InventoryItem, InventoryCategory
Responsibilities	Class Collaborators
<ul style="list-style-type: none"> Shows description text data 	<ul style="list-style-type: none"> DescBoxData

Class name: DescBoxData	
Parent class:	Subclass:
Responsibilities	Class Collaborators
<ul style="list-style-type: none"> Stores text data 	

Class name: FormItem	
Parent class:	Subclass:
Responsibilities	Class Collaborators
<ul style="list-style-type: none"> acts as an abstraction for forms to pass as props 	<ul style="list-style-type: none"> FormItemList

Class name: FormItemList	
Parent class:	Subclass:
Responsibilities	Class Collaborators
<ul style="list-style-type: none"> holds lists of form items with a title 	<ul style="list-style-type: none"> FormItem FolderSvgForm

Class name: FolderSvgForm	
Parent class:	Subclass:
Responsibilities	Class Collaborators
<ul style="list-style-type: none"> holds the data to load entire form on svg 	<ul style="list-style-type: none"> FolderItemList FunctionObject

Class name: FunctionObject	
Parent class:	Subclass:
Responsibilities	Class Collaborators
<ul style="list-style-type: none"> pass around functions and arguments as props 	<ul style="list-style-type: none"> FolderSvgForm FolderSvgClass

Class name: FolderSvgClass	
Parent class:	Subclass:
Responsibilities	Class Collaborators
<ul style="list-style-type: none"> holds the data to load an entire query on svg 	<ul style="list-style-type: none">

GQL ENDPOINTS

- Inventory
- Inventory/houseId
- Category
- Category/id
- Category/inventoryId
- Category/categoryId
- Category/categoryName
- Category/categoryDesc
- Item
- Item/categoryId
- Item/name

FOOTNOTES

Thank you for checking out our system design document! :)