HW2

Offer Spot System

Prepared by

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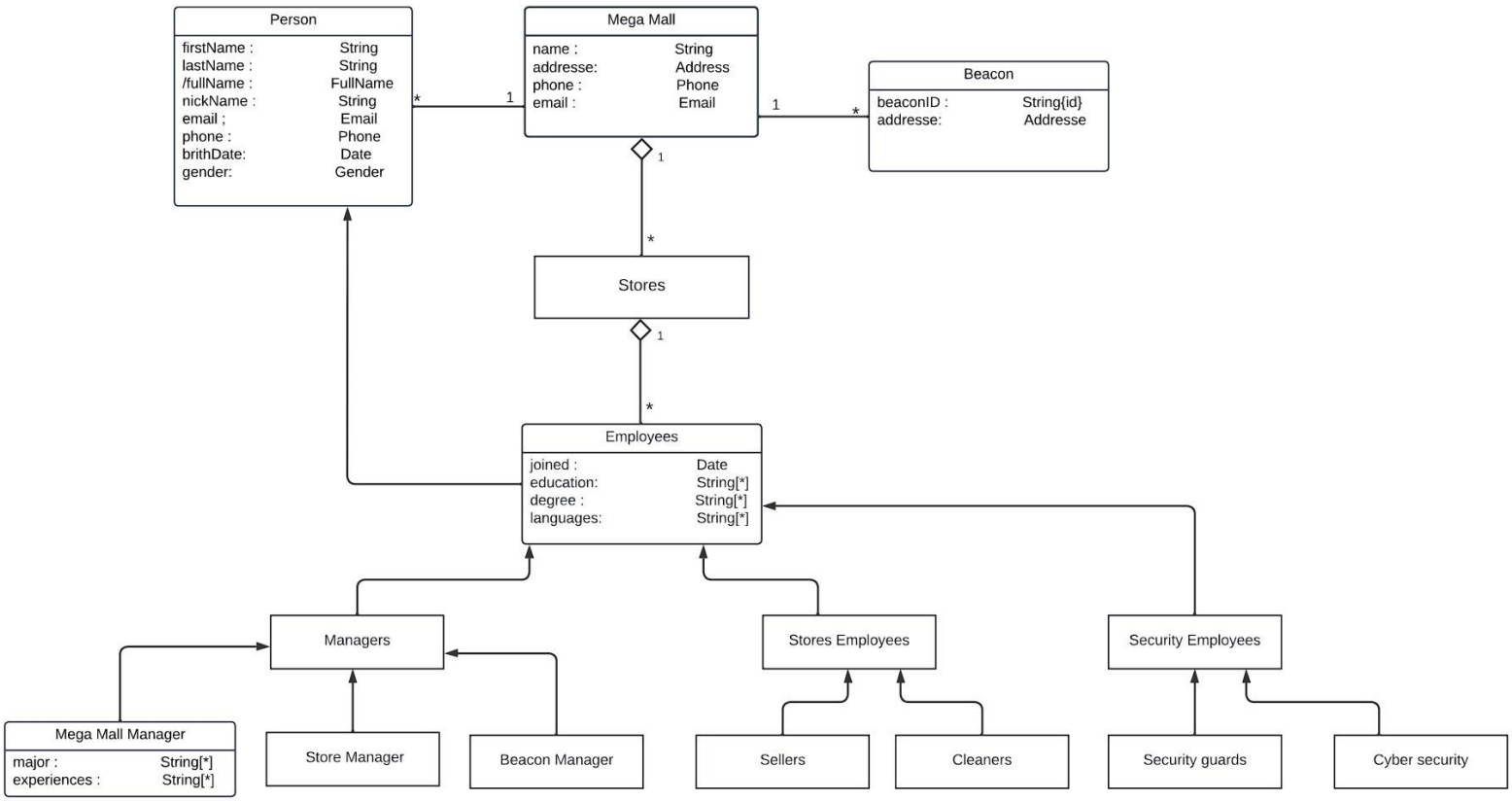
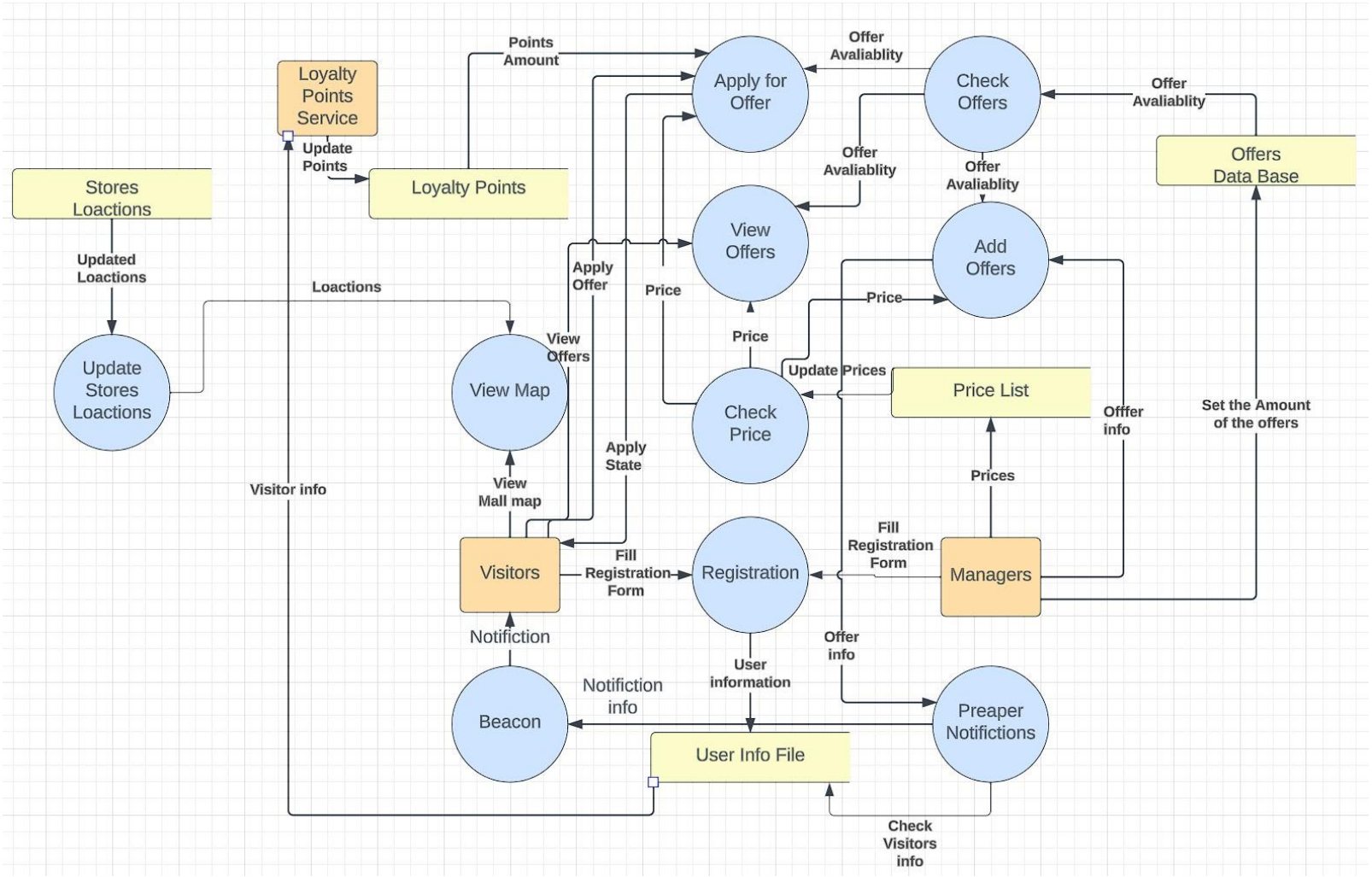
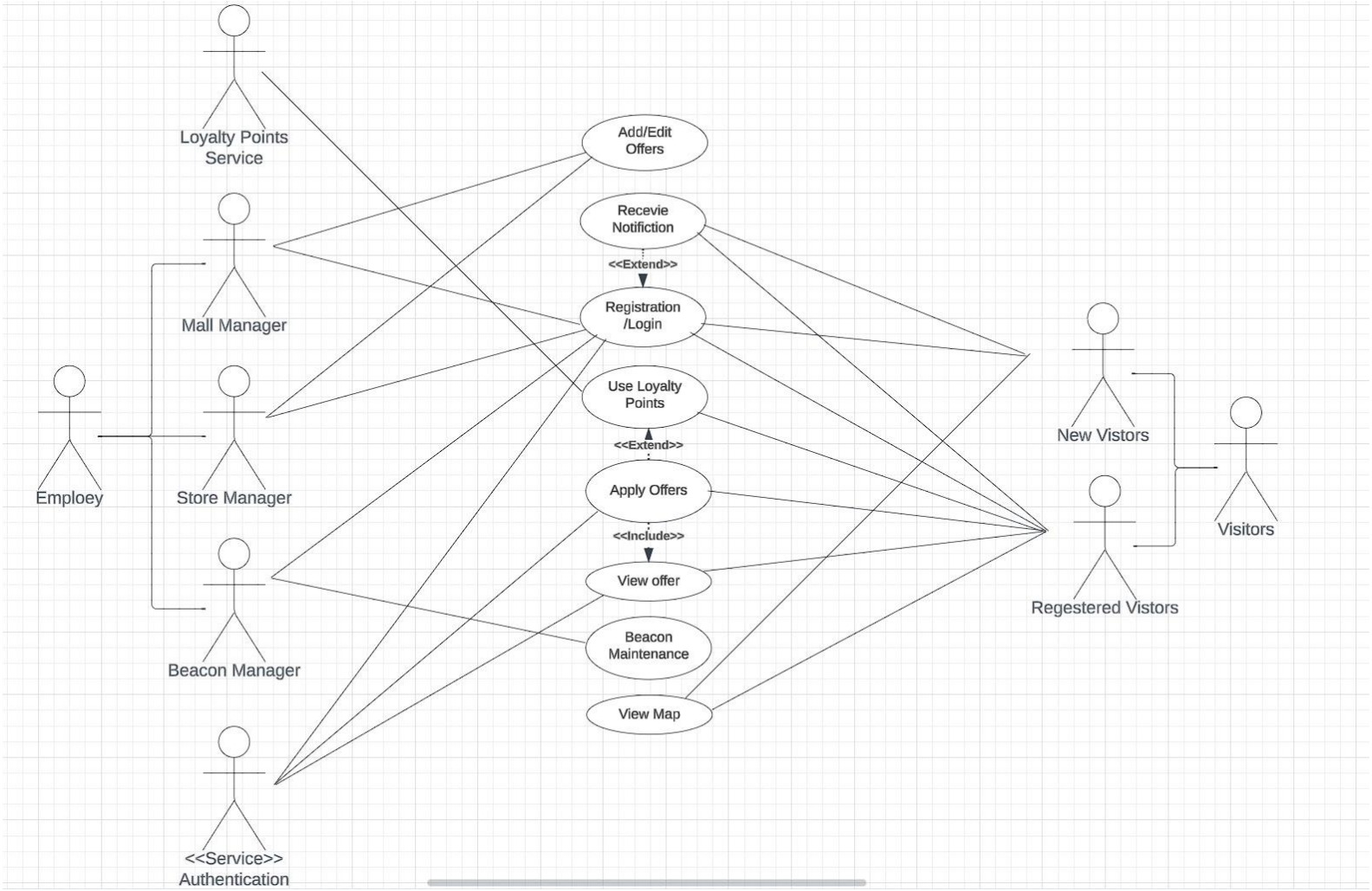
1. Domain Model



2. Data Flow Diagram



3.Use Case Diagram



4.Use Cases using the Cockburn

USE CASE 1	Notify about current sales	
Goal in Context	Notify users of ongoing sales, in an effective manner	
Scope & Level	Mega Mall Application Primary task	
Preconditions	User is on the Website or Mega Mall Application	
Success End Condition	Users get enough information about current sales on the website or applications	
Failed End Condition	Users do not get enough information about current sales on the website or application	
Primary, Secondary Actors	Users Offer Spot system	
Trigger	Users click on the “Notify about current sales” checkbox located at the top of the page	
DESCRIPTION	Step	Action
	1	• Users visit a Mega Mall website or application and navigate to the homepage. • At the top of the page, they encounter a checkbox or button “Notify about current sales" it will be available for register and new user. • If you are interested in knowing all the current sales, and receiving notifications, you must log in to the website.

	2	• Users click on the "Notify about current sales" checkbox or button to express their interest in receiving sales notifications. • Notifications are sent through the preferred communication channel chosen by the users during the subscription process (email, push notifications, SMS).
	3	A confirmation message appears, confirming their subscription to sales notifications.
EXTENSIONS	Step	Branching Action
	1a	The new user wants to receive notifications about current sales. Sorry, you cannot receive notifications if you are not logged in, so please log in so that we can allow you to browse in an efficient manner.
	2a	If the user wants to choose another communication channel that is not (email, push notifications, SMS) Only these channels are available. We will try in the next updates to add new channels for communication
RELATED INFORMATION		Notify about current sales
Priority:		Top priority
Due Date		Version 1.0 release

USE CASE 2	Display the reminder to pick up online order	
Goal in Context	Display the reminder to pick up online order on specified communication channels (email, push notifications, SMS)	
Scope & Level	Mega Mall Application Primary task	
Preconditions	Visitors on the website or on the Application	
Success End Condition	Reminders are successfully delivered to users	
Failed End Condition	Failed to deliver reminders to users	
Primary, Secondary Actors	Users Offer Spot system	
Trigger	Store confirms that the order is ready for pickup	
DESCRIPTION	Step	Action
	1	The beacon system detects the visitor's smartphone.
	2	The order system verifies the visitor's identity and order status.
	3	The visitor's app displays the reminder, showing the order details and the store location.
EXTENSIONS	Step	Branching Action

	1a	The visitor's identity or order status cannot be verified: The order system sends an error, asking them to contact the store
	2a	The visitor dismisses the reminder: The app stops displaying the reminder, and the order system updates the order status to "not picked up."
RELATED INFORMATION		Display the reminder to pick up online order.
Priority:		Top priority
Due Date		Version 1.2 release

USE CASE 3	Display the location of a store	
Goal in Context	Display the location of a store based on the provided searching	
Scope & Level	Mega Mall Application Primary task	
Preconditions	User is on the Website or Mega Mall Application	
Success End Condition	The users get the store location he wants	
Failed End Condition	The users do not get the store location he wants	
Primary, Secondary Actors	Users Offer Spot system	
Trigger	Users click on the “Display the location of a store” checkbox located on the left side of the page	
DESCRIPTION	Step	Action
	1	• Users click on the "Display the location of a store" checkbox to indicate their intention to view the store's location. • The website or application displays a list of available stores or prompts users to select a specific store from a dropdown menu or search bar.
	2	After users select a store, the website or application displayed the location on the page, either as a map with a marker indicating the store's position or as an address and additional details about the store's location.

	3	Users can view the store location and relevant information such as opening hours, contact details, or directions.
EXTENSIONS	Step	Branching Action
	1a	If the user searches for the name of a store that is not located in Mega Mall This store is not located in the Mega Mall. We will try to invite the store in the coming days
	2a	If the user searches for the location of the store, and the store is outside working hours. We apologize, the store is closed now because it is outside working hours. Try to visit it later
RELATED INFORMATION		Display the location of a store
Priority:		Top priority
Due Date		Version 1.0 release