SOFE3650U Final Project: Iteration 2 &3

Group 21

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Step 2: Establish Iteration Goal by Selecting Drivers

The primary use cases that are considered to be supporting the primary functionality of the Yeezy Books system are:

- UC-1
- UC-3
- UC-5
- UC-6

Step 3: Choose One or More Elements of the System to Refine

In the reference architecture in iteration 1, the functionality will require support from the components related to the modules in different layers.

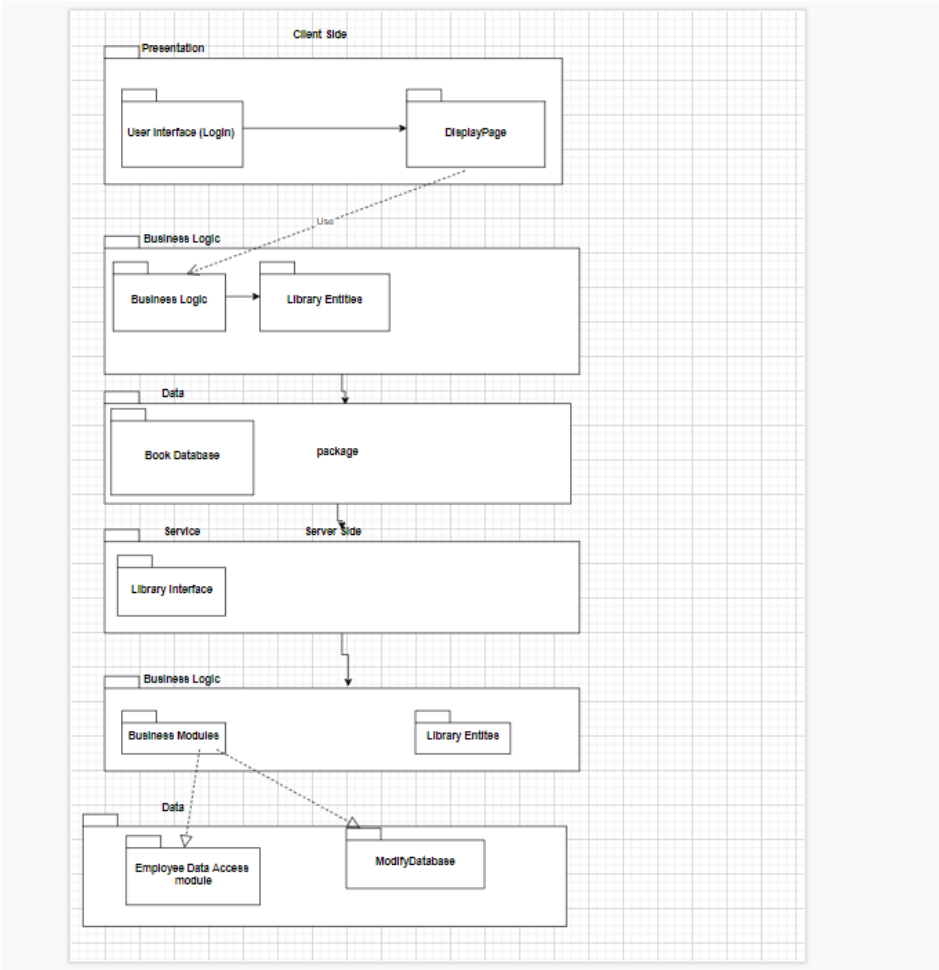
Step 4: Choose One or More Design Concepts That Satisfy the Selected Drivers

Design	**Rationale**
Create a domain model for application	To identify the major entities of system, as well as relationships between entities
Identify domain objects that align to the functional requirements	For every functional element in the application, it will have to be stored in it's own domain object.
Use Swing Framework	Provides the necessary java interfaces that ASP.NET uses and follows an MVC pattern like ASP.

Step 5: Instantiate architectural elements, allocate responsibilities, define interfaces

Design Decisions and location	**Rationale**
Create an only an initial domain model	The entities/objects associated with the primary use cases need to be identified and modelled but only an initial domain model is created to accelerate this design phase.
Map system use cases to domain objects	Mapping and identification of the system domain objects can be made by analyzing the systems use cases.
Decompose the domain objects across layers to identify layer specific module with an explicit interface	Ensures that modules that support all the functionalities are identified.
Connect module components using SWING framework	This framework follows a single threaded programming model and helps to provide between the code structure and the graphic presentation of a SWING based GUI
Associate frameworks with a module Within the data layer	ORM mapping is encapsulated within modules that are contained in the data layer.

Step 6: Sketch Views and Record Design Decisions



Element	Responsibility
Presentation CS	Responsible for the control of the User interaction module when the user logs in
Business Logic CS	Responsible for the modules that perform logic operations
Data CS	Responsible for controlling modules tat are communicating with the library server
UI modules	Allow for user interactions
Library entities	Make up the employee domain model
Service Side	Contains all the modules communicated from the client and process on our end

Business Logic SS	Modules that perform business Logic on the server side
Data SS	Modules are responsible for data manipulation

Iteration 3: Addressing Quality Attributes Scenario Driver (QA-1)

Step 2: Establish Iteration Goal by Selecting Drivers

This iteration will focus on QA-1: When new books are needed to be added, or books that are not being borrowed often need to removed

Step 3: Choose one or more element of the system to refine