Homework - 3 Group - 13

Boundary (Forms / Interfaces)

- Service Interface UI or system interface through which the service manager interacts.
- Service Staff Interface Actors like Magy, Angelina, who interact with the system to view tasks and add comments.
- FinanceDashboard : Main screen for financial manager.
- BudgetReviewForm : Used when reviewing/adjusting budgets.
- Start: Interface through which the CSO actor initiates interaction with the system. A
 'request entry' UI screen.
- ReportEmergencyForm: Form/UI where the CSO enters the details of the emergency request. Captures input before creating the emergencyReport entity.
- FeedbackField:Interface for the Finance Manager to provide feedback on the budget review.
- **Scheduleform**: UI for scheduling meetings after the request is approved.
- ClientRecordView : View client history.
- **EmployeeRecordView** → View employee assignments.
- DiscountForm → Apply discounts for loyal clients.
- AdjustmentRequestForm → To receive requests from production/services.
- **HRPortal** → HR team's main dashboard.
- StaffRequestForm → Filled by PM/SM to request staff.
- JobAdvertForm → Create/post adverts for new roles.
- ApplicationForm → Candidate applies through this.
- InterviewScheduleForm → For managing interview slots.
- VendorRequestForm → To contact outsourcing vendors.

Entity (Data Sources)

- EventRequest Represents the client's request for an event, stores details of requirements.
- StaffDB Database that stores staff schedules, availability, assignments.
- SubTeam Represents teams like chefs/waiters, with their tasks and plans.

- ApplicationStatus Tracks event request states as Open, In Progress, Archived.
- **ClientRecord**: Stores client info, history, events, discounts.
- **EmergencyReport**: Represents the core emergency report data submitted by the client. Stores details like request type, description, timestamps, and client info.
- **Feedback**: Hold feedback or comments from the Finance Manager after budget review.Can include approval status, notes, or recommendations.
- **Scheduled**: Represents the scheduled meeting data after the request is fully approved. Contains date, time, participants, and location for the meeting.
- **EventApplication**: Request object with type, date, requirements, status.
- Budget: Financial details, estimated vs final values.
- BudgetAdjustmentRequest: Proposed changes to budget.
- **EmployeeRecord**: Salaries, assignments, history.
- StaffRequest : Role, quantity, status of request.
- EmployeeRecord : Internal and external staff data, skills, assignments.
- **JobAdvert**: Advert details for open positions.
- **Application**: Candidate CV, status, interview outcome.
- **Contract**: Outsourcing agreements, duration, terms.
- OutsourcingVendor → Vendor profile, rating, staff pool.

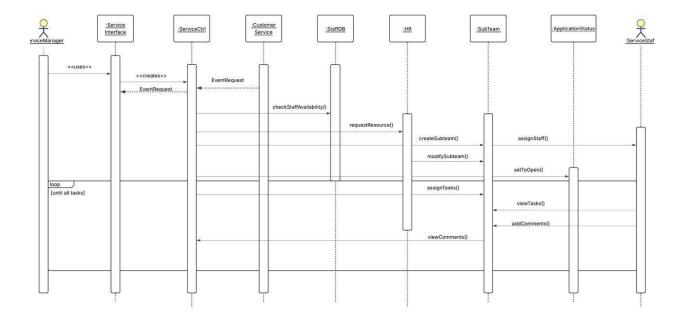
Control (Coordinators)

- **ServiceCtrl**: The central coordinator it handles workflows, sends requests, manages sequences like checking availability, assigning sub-teams, updating status.
- ManageFinanceCtrl: Orchestrates the whole UC (review, feedback, approval/rejection, negotiation, summary).
- CreateRequestController: Handles the process of creating a new emergency request. Validates input from ReportEmergencyForm and triggers the creation of emergencyReport entity.
- ReviewController: Manages the review workflow after a request is submitted. Decides, based on conditions, whether the request goes to budget review or requires further action.
- BudgetReviewController: Handles the budget review process performed by the Finance Manager.Stores feedback in the feedback entity via feedbackField.

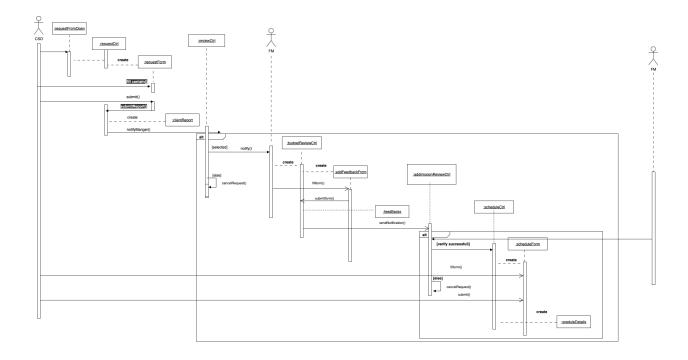
- **EvaluateRequestController**: Responsible for evaluating the request and feedback, usually by the Administrator Manager. Determines whether the request is OK or not possible to do.
- **SetMeetingController**: Manages scheduling meetings for approved requests. Creates the scheduled entity and triggers notifications to managers and clients.
- HandleBudgetAdjustmentCtrl: Processes adjustment requests from PM/SM.
- ProvideFinancialFeedbackCtrl: Sends financial opinion back to Admin/CS.
- **DiscountCtrl**: Validates and applies client discounts.

Extract Sequence diagrams from UseCase

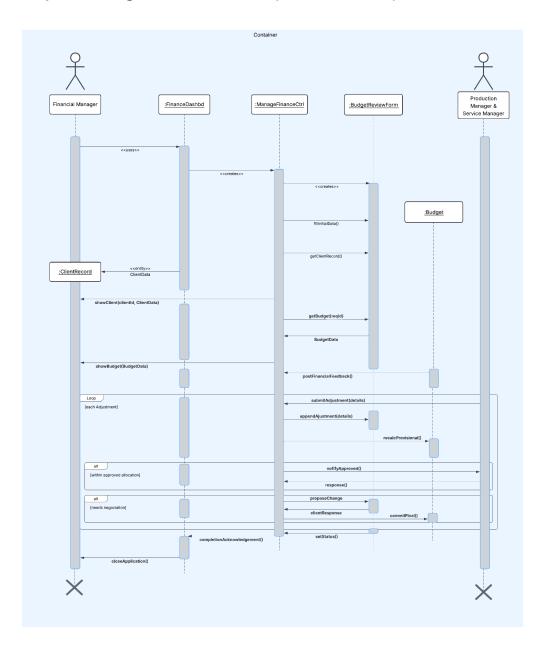
Sequence Diagram - 1 : Use Case(Handle Service Request)



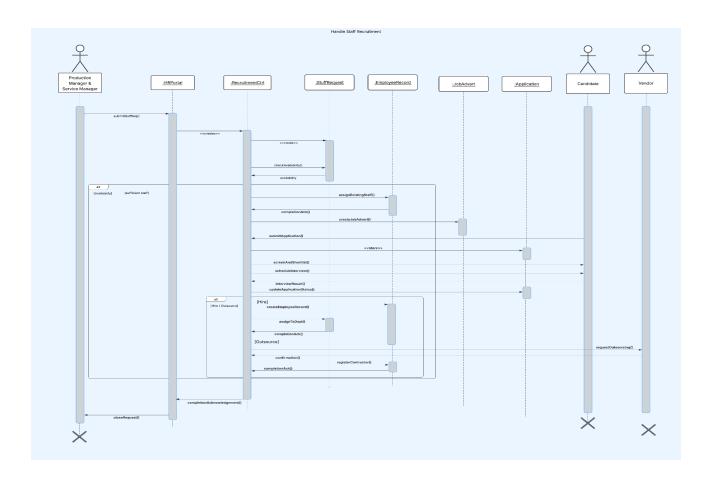
Sequence Diagram - 2 : Use Case(HandleClientRequest)



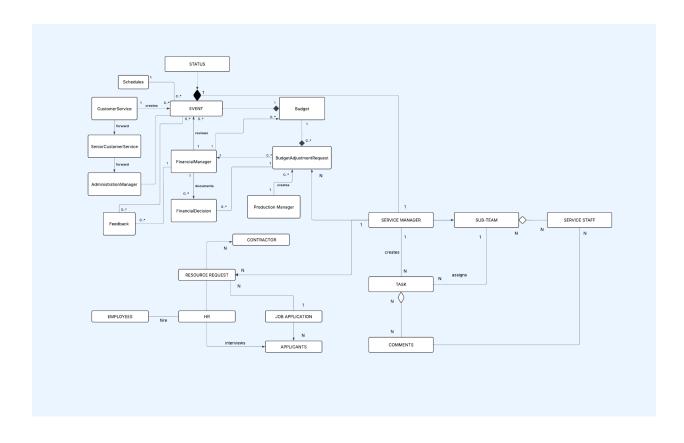
Sequence Diagram - 3 : Use Case(HandleFinance)



Sequence Diagram - 4 : Use Case (HandleStaffRecruitment)

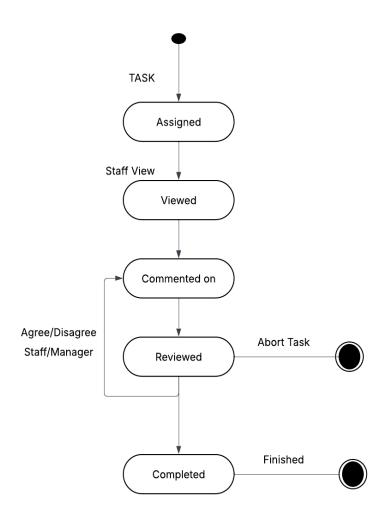


Class Diagram : Entire System



State Chart Diagrams

State Diagram - 1:



State Diagram - 2

