SAMS2024 Architectural Model
Submitted by Group 2

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Architectural Views

1. Logical View

The following package diagram can be considered a logical view as it emphasizes the logical relationships and dependencies between different components or modules of the system, without delving into the physical aspects or implementation details.

Package Diagram

The following package diagram of the SAMS2024 system provides a high-level view of the organization and structuring of a system. The system here is broken down into manageable components, promoting modularity and making it easier to understand the system communications/relationships.
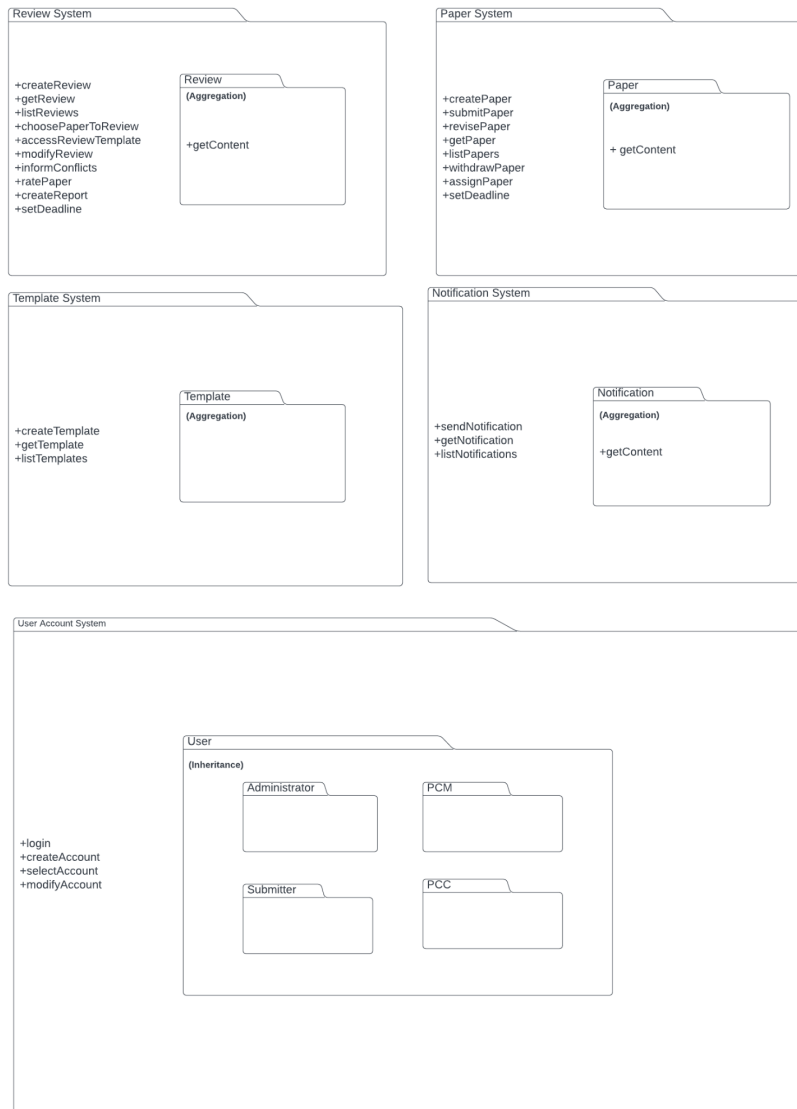
2. Use Case View (+1)

In the "Detailed Requirements Model using Use Cases" document, the team thoroughly described individual use cases, including their preconditions, main flow, alternative scenarios, and postconditions. This comprehensive detailing ensured a clear and unambiguous understanding of how the system should function from a user's perspective.
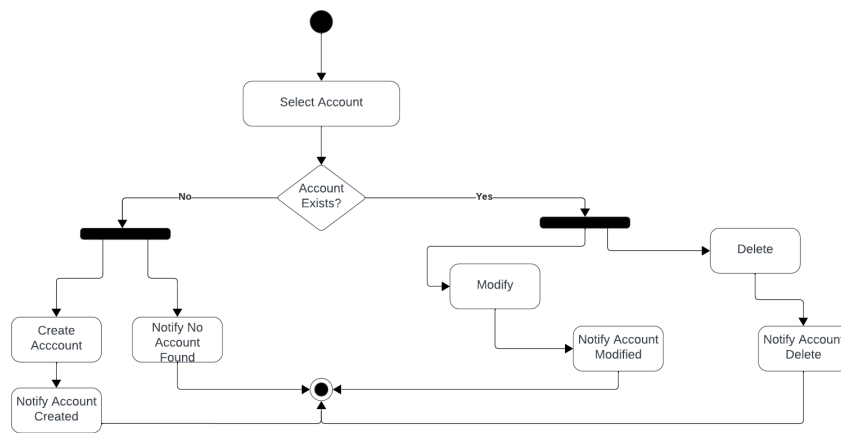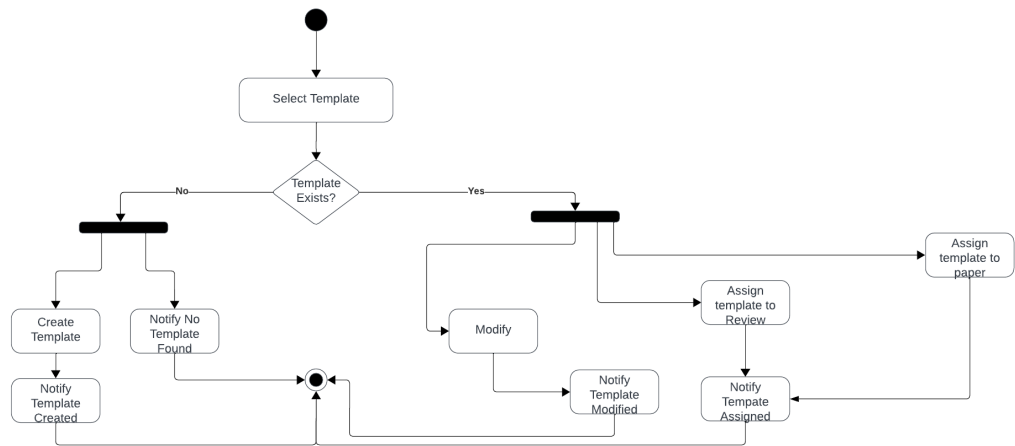

3. Process View

The following process view/flow diagrams illustrate how system components interact over time, providing insights into the system's behavior, flow of data, and control between processes. The process diagrams are divided among the different actors/users involved in the system.
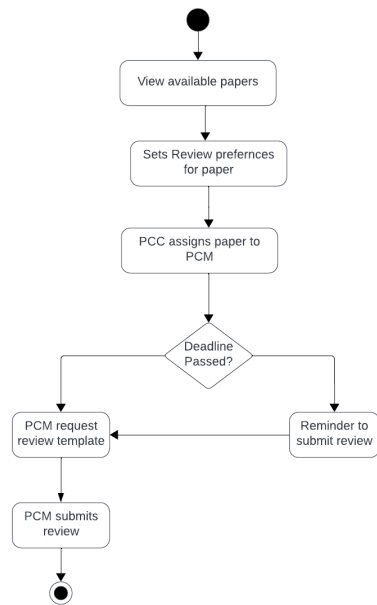
a. Administrator

Manage Account

Manage Template

b. PCC
Rate and Generate Report for Paper

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              ┌──────────┐
              │ Logs into │
              │  system   │
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              ┌──────────┐
              │Receive Paper│
              └──────────┘
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              ┌──────────┐◄─────────┐
              │Assign Paper to│       │
              │    PCM    │          │
              └──────────┘          │
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              ┌──────────┐          │
              │Get Reviews│       Yes │
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                ╲ Reviews ? ╱
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                  No│
                    ▼
              ┌──────────┐
              │Rate Paper│
              └──────────┘
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                    ▼
              ┌──────────┐
              │Generate Report│
              └──────────┘
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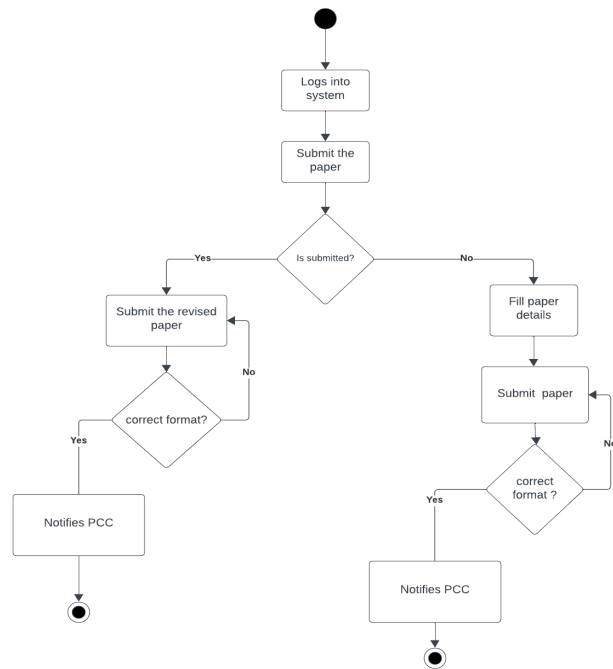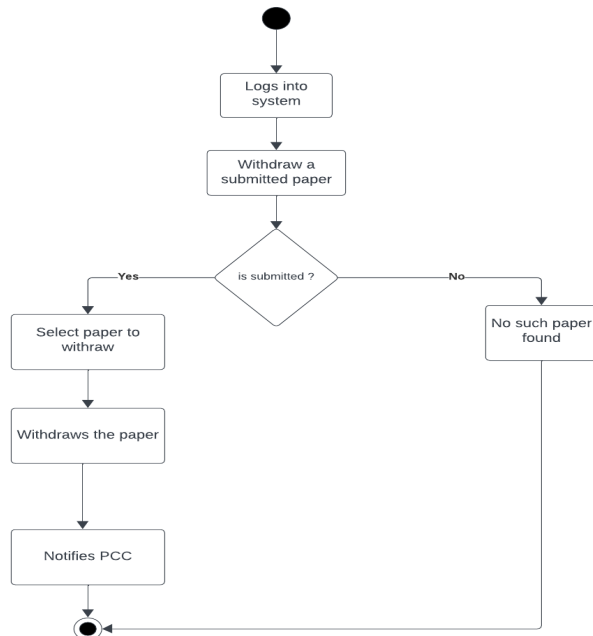
c. PCM
Review Paper

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            ┌────────────────┐
            │View available papers│
            └────────────────┘
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            ┌────────────────┐
            │Sets Review prefernces│
            │    for paper     │
            └────────────────┘
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            ┌────────────────┐
            │PCC assigns paper to│
            │      PCM        │
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                ╱Deadline╲
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    │PCM request│◄─────│Reminder to│
    │review template│  │submit review│
    └──────────┘      └──────────┘
            │
            ▼
    ┌──────────┐
    │PCM submits│
    │  review  │
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d. Submitter

Submit the paper :

Logs into system

Submit the paper

Is submitted?

Yes → Submit the revised paper

correct format?
- No
- Yes → Notifies PCC

No → Fill paper details

Submit paper

correct format ?
- No
- Yes → Notifies PCC

Withdraw paper :

Logs into system

Withdraw a submitted paper

is submitted ?

Yes → Select paper to withraw → Withdraws the paper → Notifies PCC
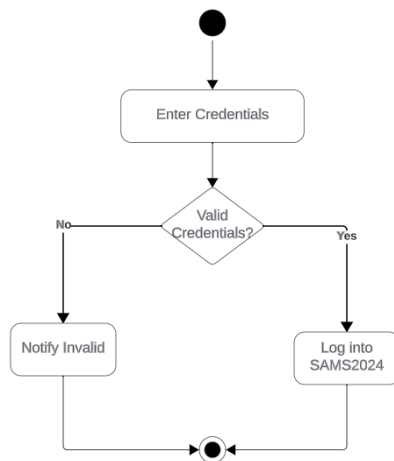
No → No such paper found

List the submitted papers :
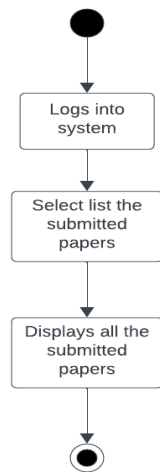
e. User (General)

User Login

Allocation Structures

Deployment	Minimum/Expected Operating Environments: Windows 10, Intel(R) Core(TM) i5-10400 CPU @ 2.90GHz Release 19045.3570 Version 22H2 2.90 GHz Apple M1 (MacOS 13.1)
Implementation	Development Environment: Product: IntelliJ IDEA Ultimate, Version: 2023.2.4, Build: 232.10203.10 Released: October 24, 2023 Database: TBD, Oracle, SQL and support in intellij TBD Testing: JUnit Tests Configuration Control: GIT
Work Assignment	Trello, Story Points, Agile/Scrum