



# **SOFE 3650U: Software Design & Architecture**

## **Project Progress Report**

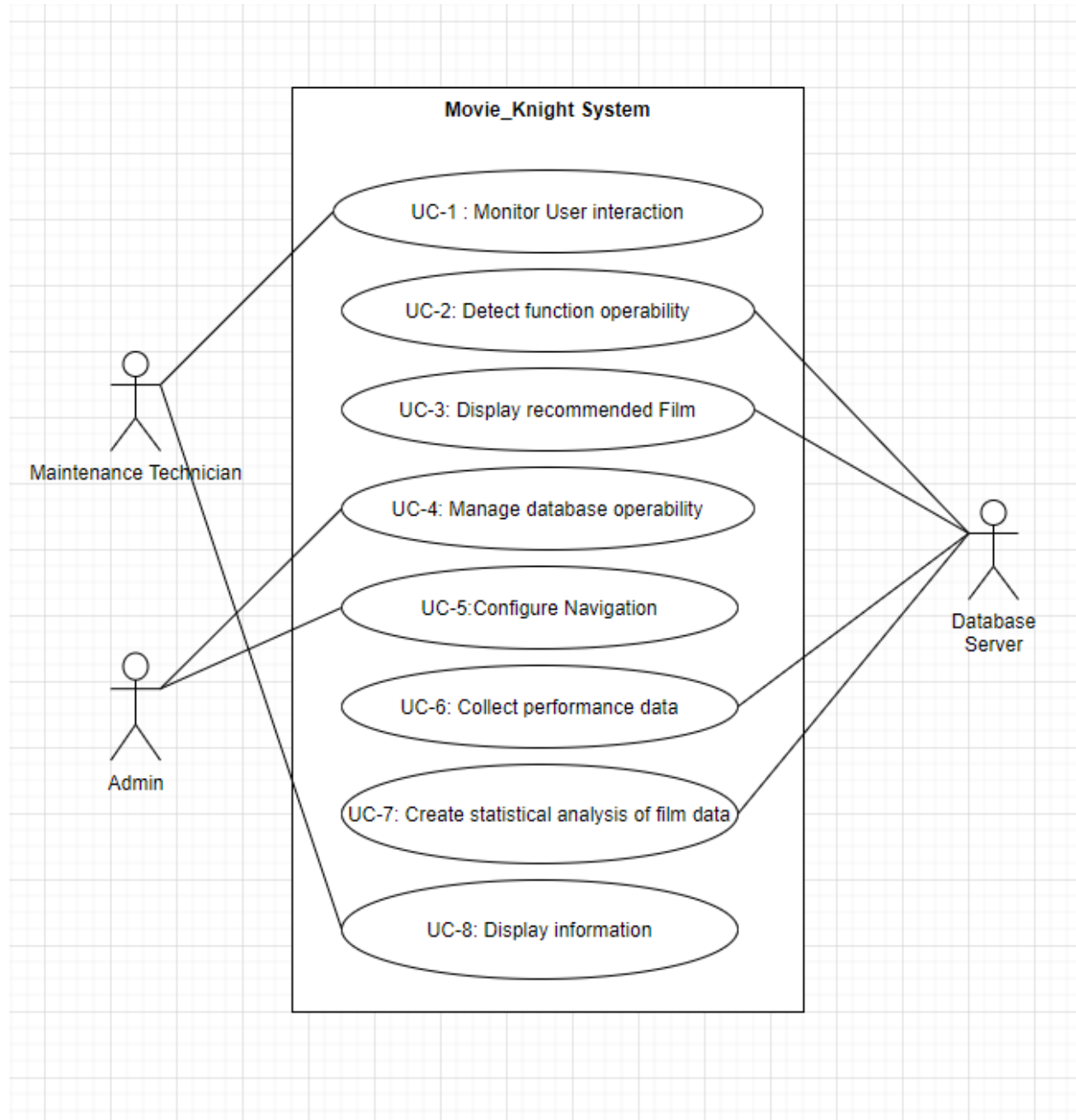
### **Group 10**

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### **Project Title: Movie Knight**

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## Use Case Model



## Use Cases

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Use Case	Description
UC-1: Monitor User Interaction	The system monitors the end user's interactions in the Movie_Knight website. When the end user hovers in the vicinity of an interactable service provided by the systems it will provide a visual cue. The users can expand and collapse film directories and any related information.
UC-2: Detect function operability	The server manages faults in the operability of functions in the Movie_Knight system. The server detects whether a function responds the way it is intended for example, a collapse function within the system intends to show less information whether the function operates the server is expected to log this information
UC-3: Display recommended Film	Stored data within the Movie_Knight database to recommend to the end user a film based on movies the user has interest in, has given a rating or simple requests related to films.
UC-4: Manage database operability	The administrator manages operability in the Movie_Knight server to, whether it be to remove or add functions to the server from, the database system.
UC-5 Configure Navigation	The administrator alters the configuration parameters assigned to the navigation within the system.
UC-6: Collect performance data	System performance data is collected from the system.
UC-7: Create statistical analysis of film data	Creates a chart analysis of statistics provided by the database such as number of movies, number of movies per genre in the user's library.

UC-8: Display  
information

The system displays stored information acquired from the database to the end user. Various parameters are displayed based on the interaction received.

## Quality Attributes

ID	Quality Attribute	Scenario	Associated Use Case
QA-1	Availability	The system database fails to display the information associated with the film. System will display an error message to the user.	UC-8
QA-2	Modifiability	A function is added to the database system. The new function is successfully added and works as intended.	UC-2
QA-3	Performance	The database system collects performance data while the user is operating the program. The performance data is collected and logged to monitor system fluidity.	UC-6
QA-4	Security	A user decides to alter his/her account information. The altered account information is stored within the system and updated for the user's future system operation	All
QA-5	Testability	Recommendations fail to display to the user as a result of insubstantial user input. Recommendations will display after the user is prompted for their input.	UC-3
QA-6	Usability	The system's functions do not operate as intended. An error is sent to the maintenance technician.	UC-4

## System Constraints

ID	Constraint
CON-1	A catalogue of films must already be downloaded to utilize the functions within the system
CON-2	A pre existing database must be used to fetch the info for the movies
CON-3	A stable internet connection must be available
CON-4	Performance information must be collected and logged for a minimum of 30 days