Iteration 1: Establishing an Overall System Structure

Step 2: Establish Iteration Goal by Selecting drivers

QA-1 – Performance
QA-2 – Modifiability
QA-3 – Availability
QA-4 – Privacy
QA-6 – Ease of Use

UC-1: Manage courses information
UC-4: Configure student profiles
UC-6: Manage file sharing
UC-8: Report errors

Step 3: Choose One or More elements of the System to refine

During this iteration elements associated with the databases will be refined to make sure that primary functional requirements are met.

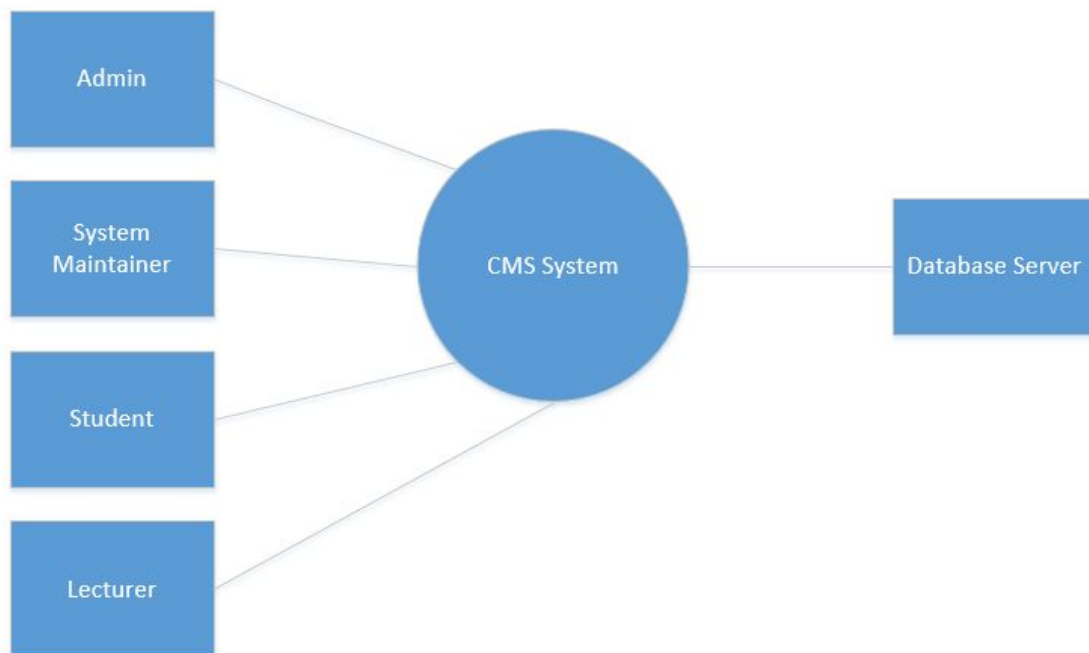**Step 4: Choose One or More Elements of the System to Refine**

Design Decision and Location	Rationale and Assumptions
Structure the user interface portal for the students and lecturers using Web Apps architecture	The CMS is a web based system, hence finding the appropriate architecture associated with building websites is critical
Build the user interface portal using HTML5	HTML5 is a common markup language code used for presenting content websites.
Build Microsoft SQL database framework	MS SQL server is a relational Database program used for Database management. This `

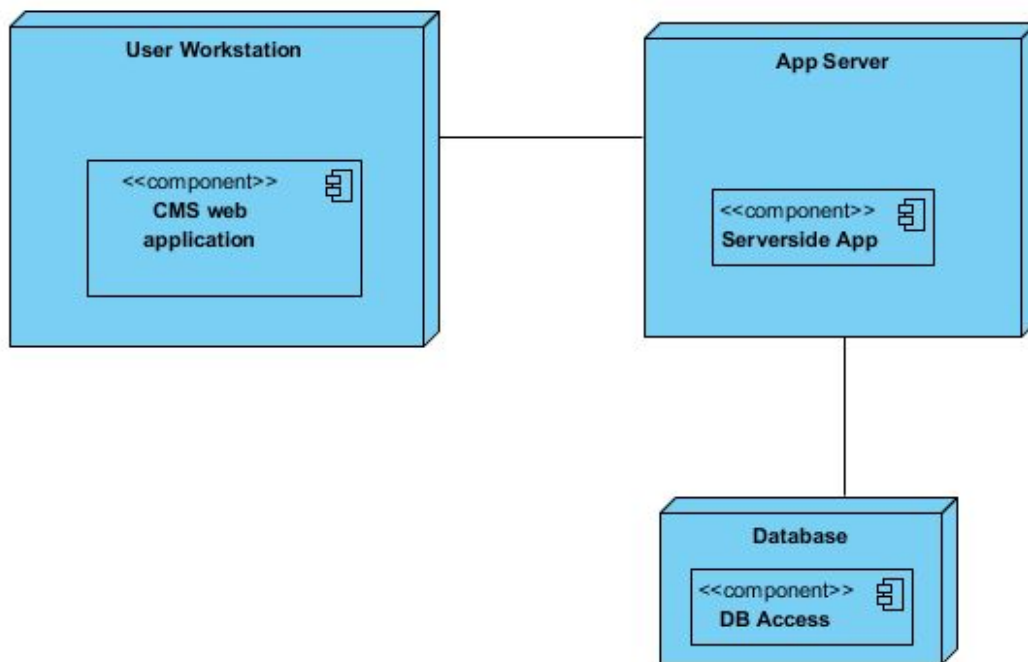Step 5: Insatiate Architectural Elements, Allocate Responsibilities

Design Decision and Location	Rationale and Assumptions

Create relevant entities for the front page of the website	Relevant entities of CMS will be shown in presentation layer (messaging/grades/courses)
Database Instantiated	The database storing course info and user info

Step 6: Sketch Views and Record Design Decisions.

Initial deployment diagram

Step 7: Perform Analysis of Current Design and Review Iteration.

Not Addressed	Partially Addressed	Completely addressed	Design Decisions Made During the Iteration
	UC1		Performance will be based on the quality of code and based on the efficiency of the frameworks selected
	UC2		Modifiability is based on

			frameworks selected
	UC-3		No relevant decision made.
	UC-4		No relevant decision made.
	UC-6		No relevant decision made.
	UC-8		No relevant decision made.
			No relevant decision made.
QA-1			No relevant decision made.
QA-2			No relevant decision made.
QA-3			No relevant decision made.
QA-4			No relevant decision made.