

Phase 1

Subsystem	InstructorInterface
Description	The <i>InstructorInterface</i> subsystem contains all of the user interface classes responsible for fulfilling an instructor's functional requirements. It provides a user event service to the <i>TaskManagement</i> and <i>ListControl</i> subsystems. When an instructor initiates an event this subsystem uses the manager service from the <i>TaskManagement</i> subsystem or the list provider service from the <i>ListControl</i> subsystem depending on the event.
Subsystem	ListControl
Description	The <i>ListControl</i> subsystem contains the classes responsible for requesting and organizing various lists on demand from the user. <i>ListControl</i> provides the list provider service to the <i>InstructorInterface</i> and makes use of the request submission service provided by the <i>RequestSending</i> subsystem.
Subsystem	TaskManagement
Description	The <i>TaskManagement</i> subsystem contains the classes which allow an instructor to make a request to create, modify and delete tasks. It accomplishes this by providing an event-driven management service to the <i>InstructorInterface</i> subsystem. <i>TaskManagement</i> then makes use of the request submission service provided by the <i>RequestSending</i> subsystem.
Subsystem	RequestSending
Description	The <i>RequestSending</i> subsystem contains the classes responsible for turning a user request into a data packet to be received by the storage server as well as initiating the client-server connection. It provides the request submission service to the <i>ListControl</i> and <i>TaskManagement</i> subsystems and makes use of the request retrieval service provided by the <i>RequestHandling</i> subsystem.
Subsystem	RequestHandling
Description	The <i>RequestHandling</i> subsystem contains the classes responsible for receiving a user request over a network and sending a response in return. It provides the request retrieval service to the <i>RequestSending</i> subsystem. The request retrieval service processes a user request and passes it along to the <i>DataAccess</i> subsystem via its data retrieval and submission services.
Subsystem	DataAccess
Description	The <i>DataAccess</i> subsystem contains the classes responsible for creating, modifying or retrieving persistent data in the database. It provides the <i>RequestHandling</i> subsystem with the data retrieval and submission services.

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Subsystem	AdminInterface
Description	The <i>AdminInterface</i> subsystem contains all of the user interface classes responsible for fulfilling an admin's functional requirements. It provides a user event service to the <i>CourseManagement</i> and <i>ListControl</i> subsystems. When an admin initiates an event this subsystem makes use of one of the manager or provider services from either the <i>CourseManagement</i> or <i>ListControl</i> subsystems depending on the type of event.
Traceability code	SB-01
Subsystem	InstructorInterface
Description	The <i>InstructorInterface</i> subsystem contains all of the user interface classes responsible for fulfilling an instructor's functional requirements. It provides a user event service to the <i>TaskManagement</i> and <i>ListControl</i> subsystems. When an instructor initiates an event this subsystem uses the manager service from the <i>TaskManagement</i> subsystem or the list provider service from the <i>ListControl</i> subsystem depending on the event.
Traceability code	SB-02
Subsystem	TAInterface
Description	The <i>TAInterface</i> subsystem contains all of the user interface classes responsible for fulfilling a teaching assistant's functional requirements. <i>TAInterface</i> provides a user event service to the <i>ListControl</i> subsystem and uses its lists provider service.
Traceability code	SB-03
Subsystem	ListControl
Description	The <i>ListControl</i> subsystem contains the classes responsible for requesting and organizing various lists on demand from the user. <i>ListControl</i> provides the list provider service to the <i>AdminInterface</i> , <i>InstructorInterface</i> and <i>TAInterface</i> and makes use of the request submission service provided by the <i>RequestSending</i> subsystem.
Traceability code	SB-04
Subsystem	TaskManagement
Description	The <i>TaskManagement</i> subsystem contains the classes which allow an instructor to make a request to create, modify and delete tasks. It accomplishes this by providing an event-driven management service to the <i>InstructorInterface</i> subsystem. <i>TaskManagement</i> then makes use of the request submission service provided by the <i>RequestSending</i> subsystem.
Traceability code	SB-05

Subsystem	CourseManagement
Description	The <i>CourseManagement</i> subsystem contains the classes responsible for allowing an administrator to request to add, edit and delete courses, instructors and teaching assistants and run various reports. It provides the reports provider service in addition to courses, instructor and TA management services to the <i>AdminInterface</i> subsystem. <i>CourseManagement</i> makes use of the request submission service provided by the <i>RequestSending</i> subsystem in order to pass along user requests.
Traceability code	SB-06
Subsystem	RequestSending
Description	The <i>RequestSending</i> subsystem contains the classes responsible for turning a user request into a data packet to be received by the storage server as well as initiating the client-server connection. It provides the request submission service to the <i>ListControl</i> , <i>TaskManagement</i> and <i>CourseManagement</i> subsystems and makes use of the request retrieval service provided by the <i>RequestHandling</i> subsystem.
Traceability code	SB-07
Subsystem	RequestHandling
Description	The <i>RequestHandling</i> subsystem contains the classes responsible for receiving a user request over a network and sending a response in return. It provides the request retrieval service to the <i>RequestSending</i> subsystem. The request retrieval service processes a user request and passes it along to the <i>DataAccess</i> subsystem via its data retrieval and submission services.
Traceability code	SB-08
Subsystem	DataAccess
Description	The <i>DataAccess</i> subsystem contains the classes responsible for creating, modifying or retrieving persistent data in the database. It provides the <i>RequestHandling</i> subsystem with the data retrieval and submission services.
Traceability code	SB-09
Subsystem	Client
Description	The <i>Client</i> is a physical subsystem that encompasses all of the functionality available to an end user on their machine. The <i>Client</i> subsystem is comprised of all of the interface subsystems as well as the <i>CourseManagement</i> , <i>TaskManagement</i> , <i>ListControl</i> , and <i>RequestSending</i> subsystems.
Traceability code	SB-10

Subsystem	Server
Description	The <i>Server</i> is a physical subsystem that encompasses all of the functionality required for retrieving or managing the program's persistent data and provides it as a service to the <i>Client</i> subsystem. The <i>Server</i> subsystem is comprised of the <i>RequestHandling</i> and <i>DataAccess</i> subsystems.
Traceability code	SB-11