

Course Management System

Class and collaboration
Diagram

Course Management System: Subsystems

Subsystems:

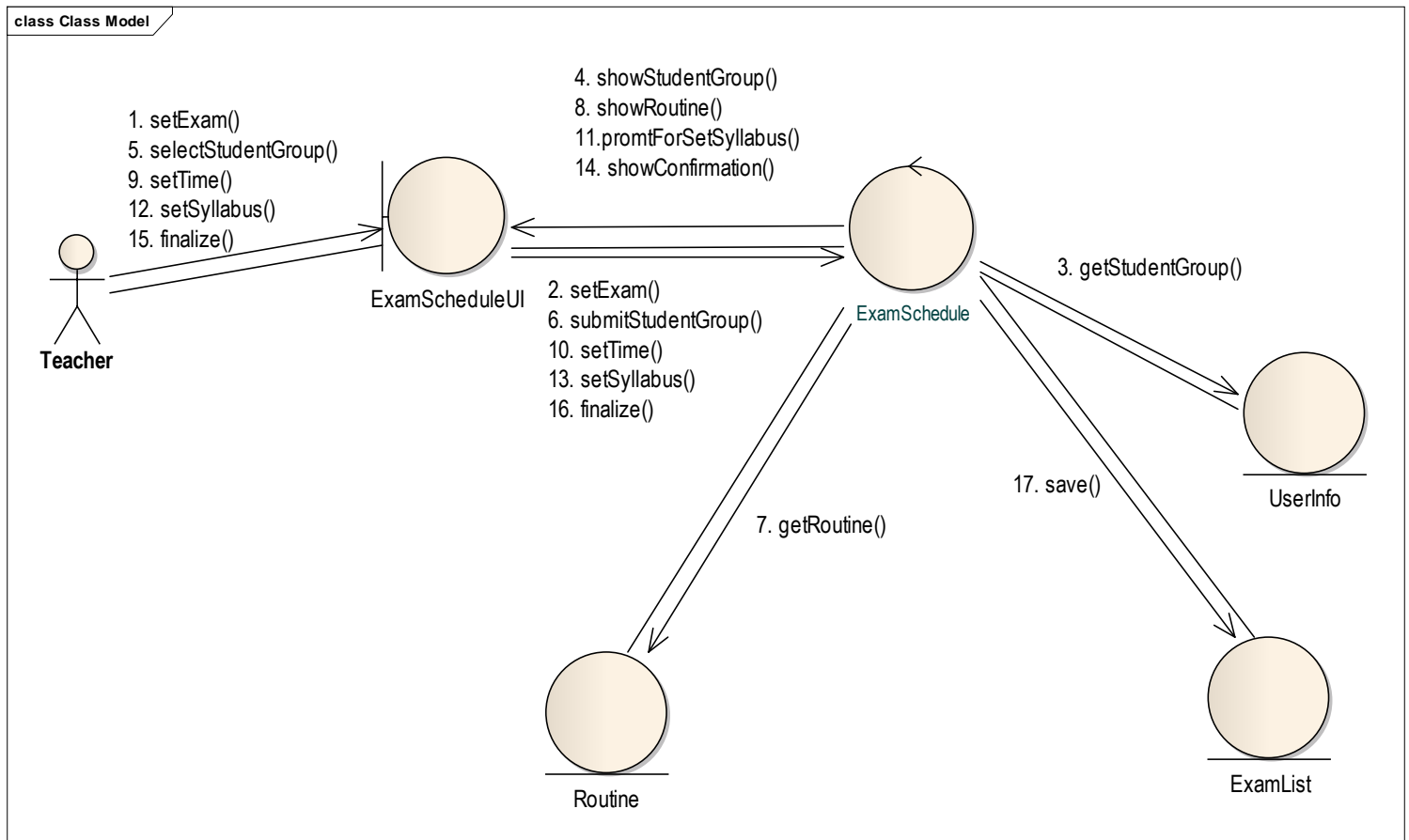
- ❖ Exam management system
- ❖ Account management system
- ❖ Course content management system
- ❖ Notification system
- ❖ Interactive routine system

Exam and Class Management Subsystem

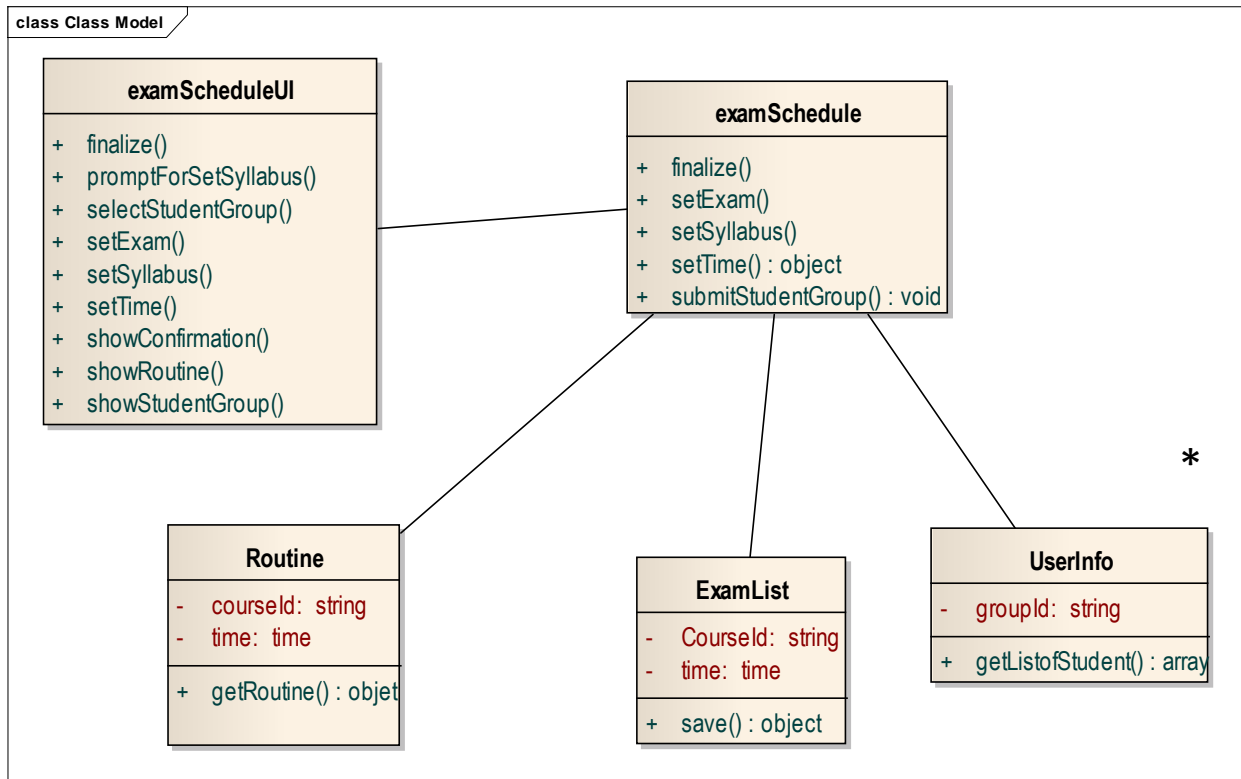
Use case Glossary:

Use Case id	Use Case Name	Actors	Participant actor and roles
1	Cancel Exam/Class	Teachers , IRS, Notification Subsystem	Teacher decides to cancel exam or class , so routine is updated and notifies students
2	Schedule Class	Teachers, IRS	Teachers decides time for class from available time and IR is updated .
3	Schedule Exam	Teachers, Notification Subsystem, IRS	Teachers decides date for exam , notification goes to students and IR is updated . Can decide syllabus .
4	Giving Syllabus	Teachers, Notification Subsystem, IRS	Teachers decide syllabus , Students are notified of syllabus and IR updated .
5	Exam Mark upload	Teachers , Notification Subsystem	Teachers upload marks , Students will be notified that marks are uploaded
6	Give and submit offline	Teachers, Notification Subsystem , Students , Time	Teachers give offline and sets deadline time , system notifies student and. After deadline no offline is taken

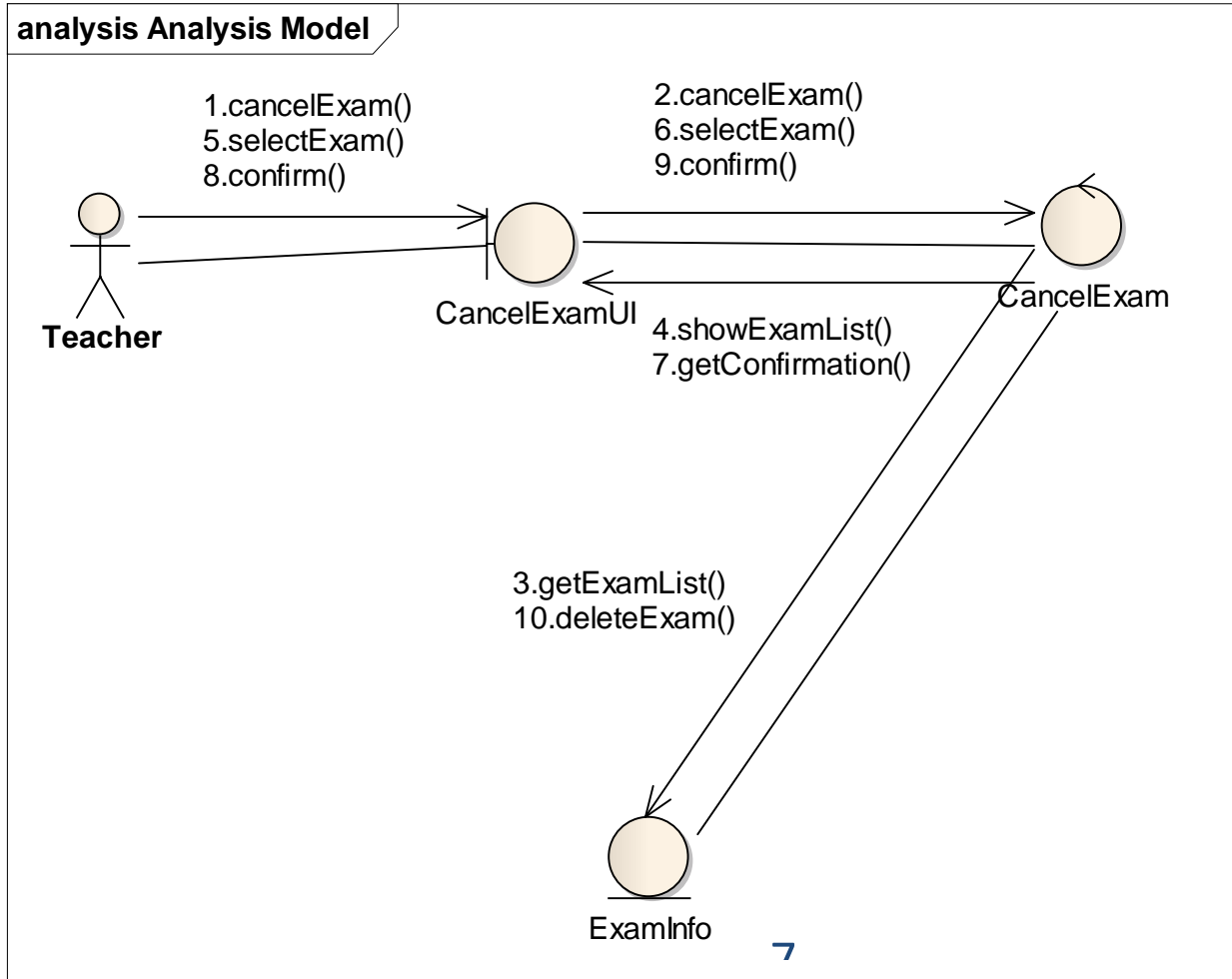
ExamScheduling Collaboration



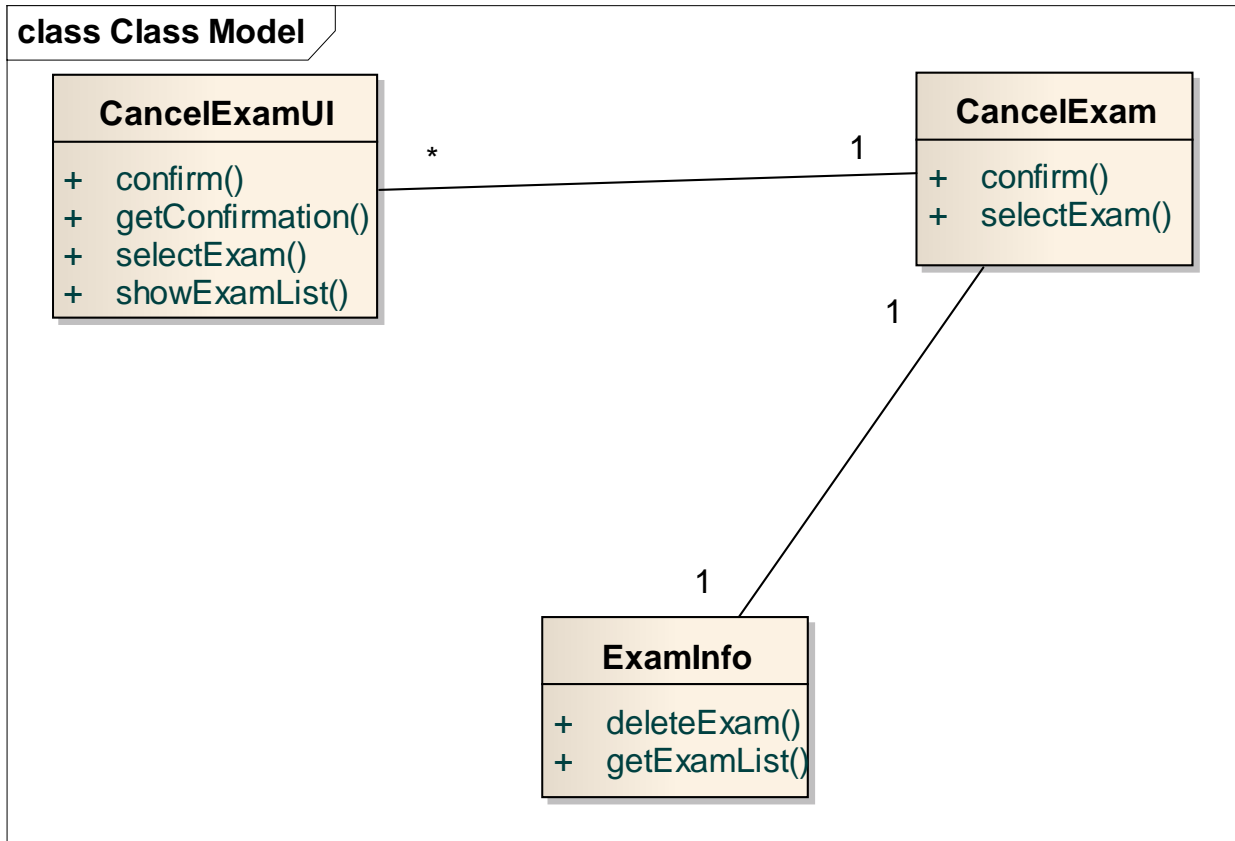
ExamScheduling Class Diagram



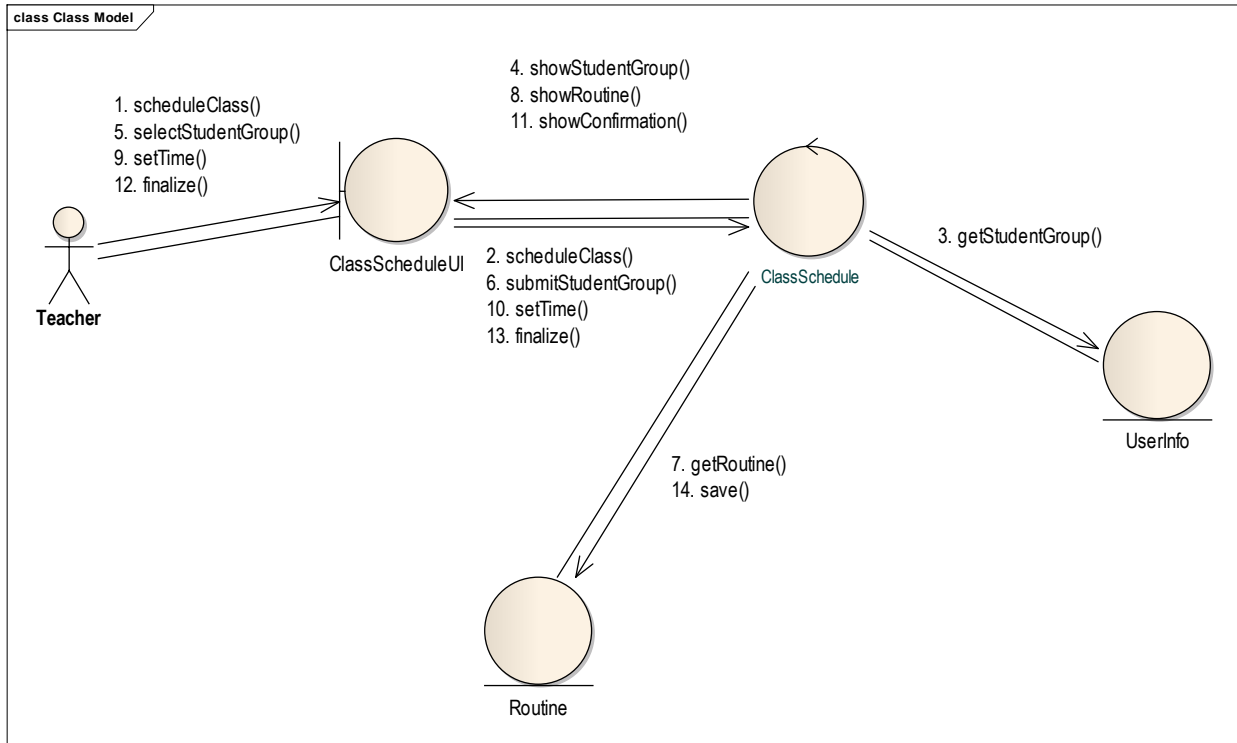
CancelExam Collaboration



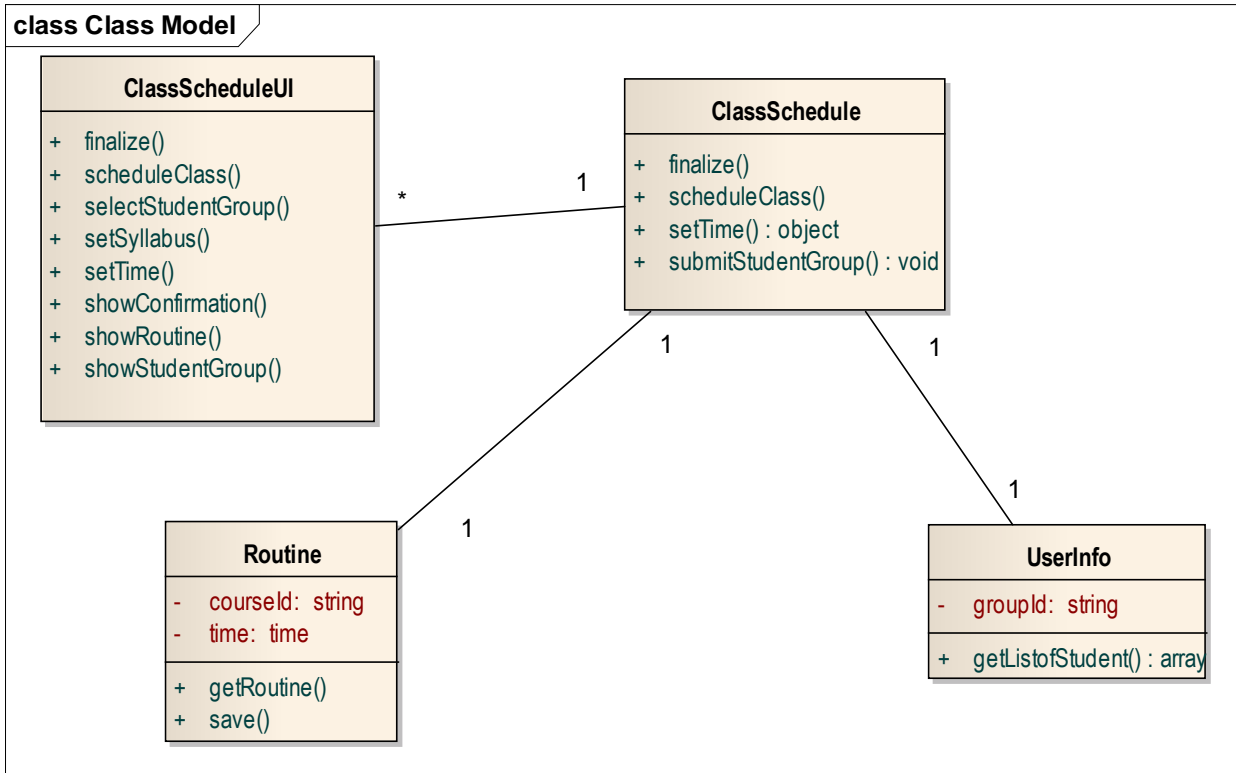
CancelExam Class Diagram



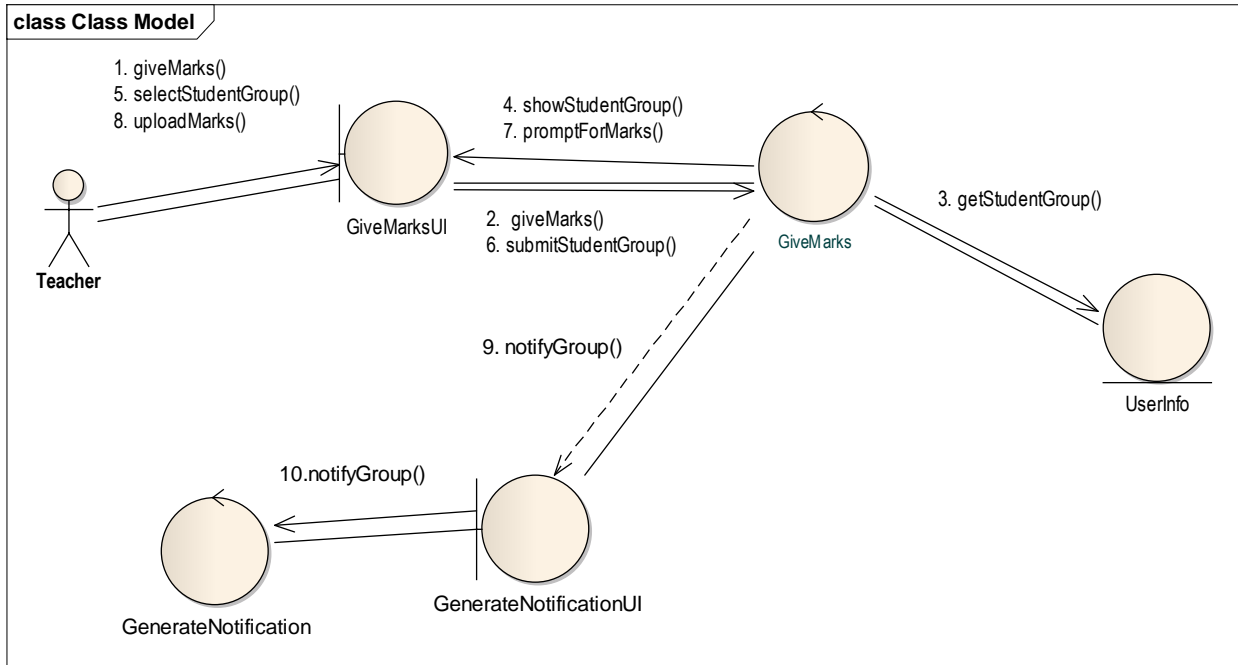
ClassScheduling Collaboration



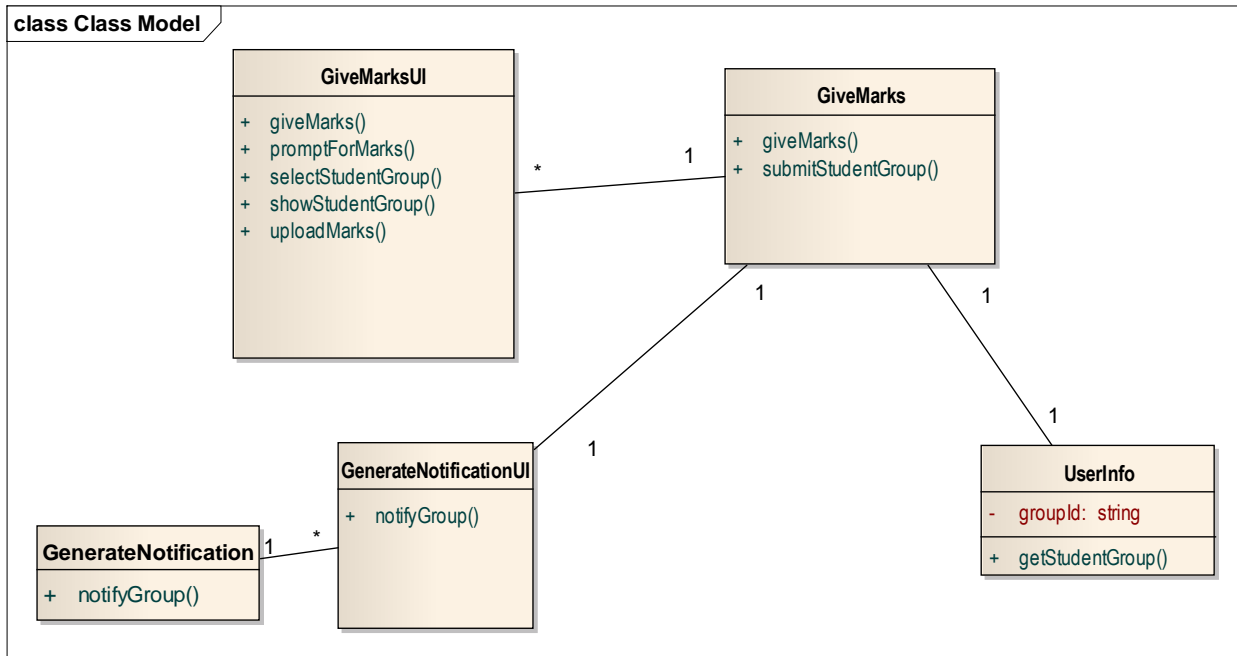
ClassScheduling Class Diagram



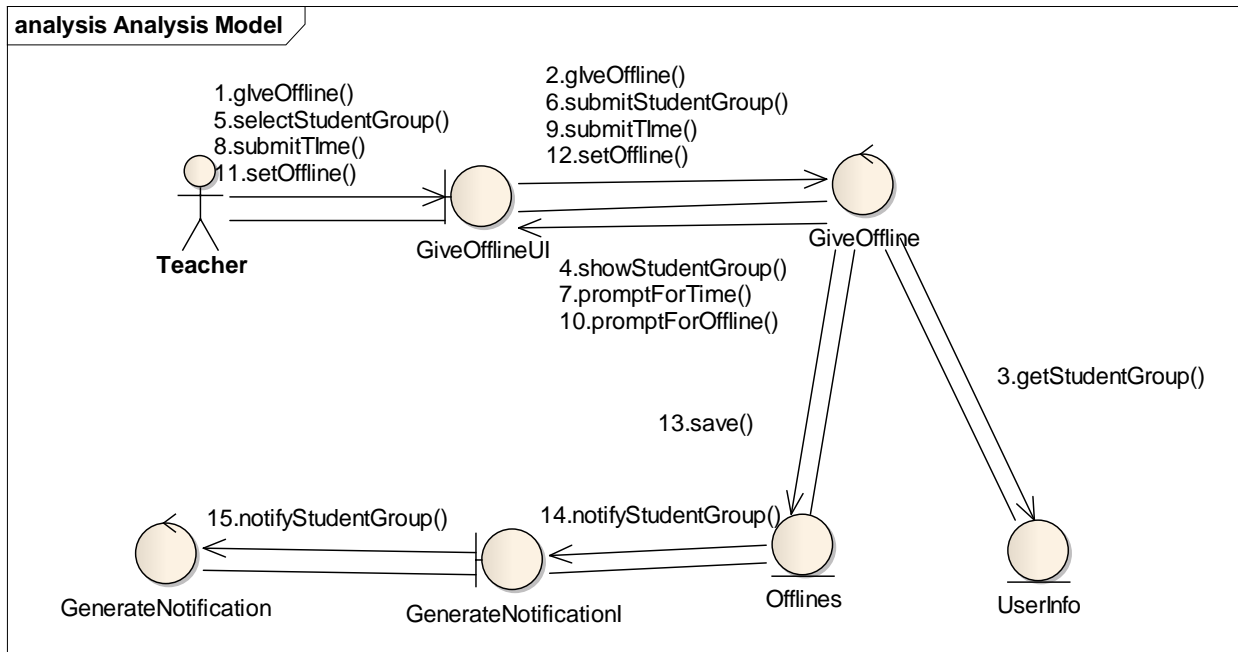
GiveMarks Collaboration



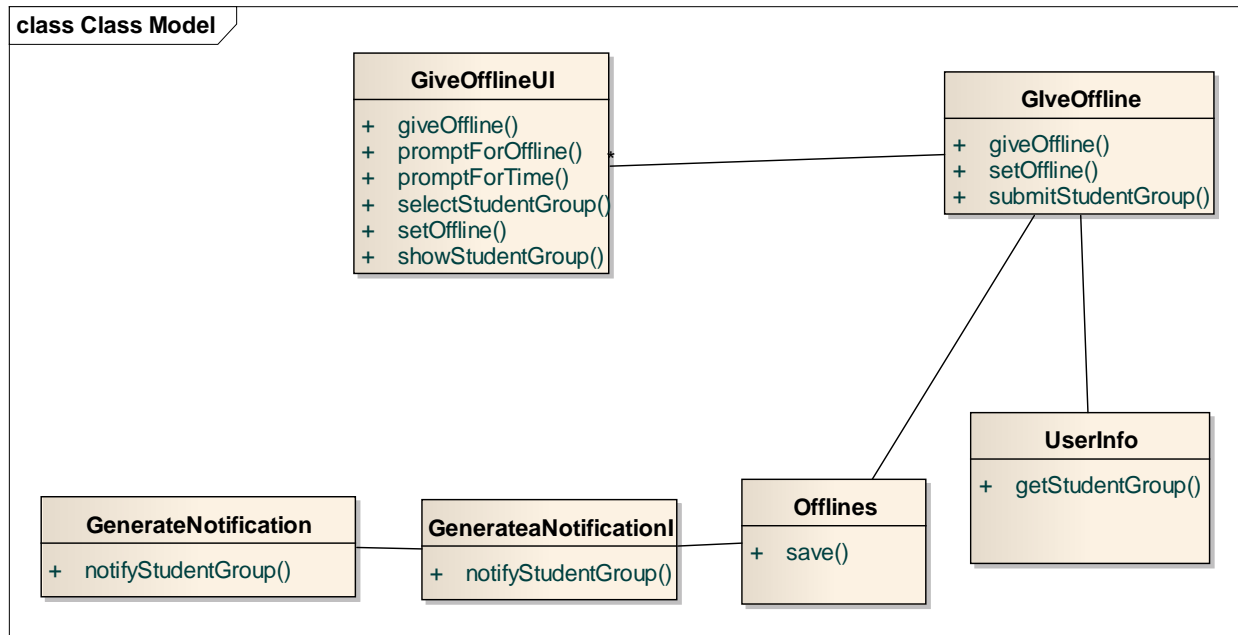
GiveMarks Class Diagram



GiveOffline Collaboration



GiveOffline Class Diagram

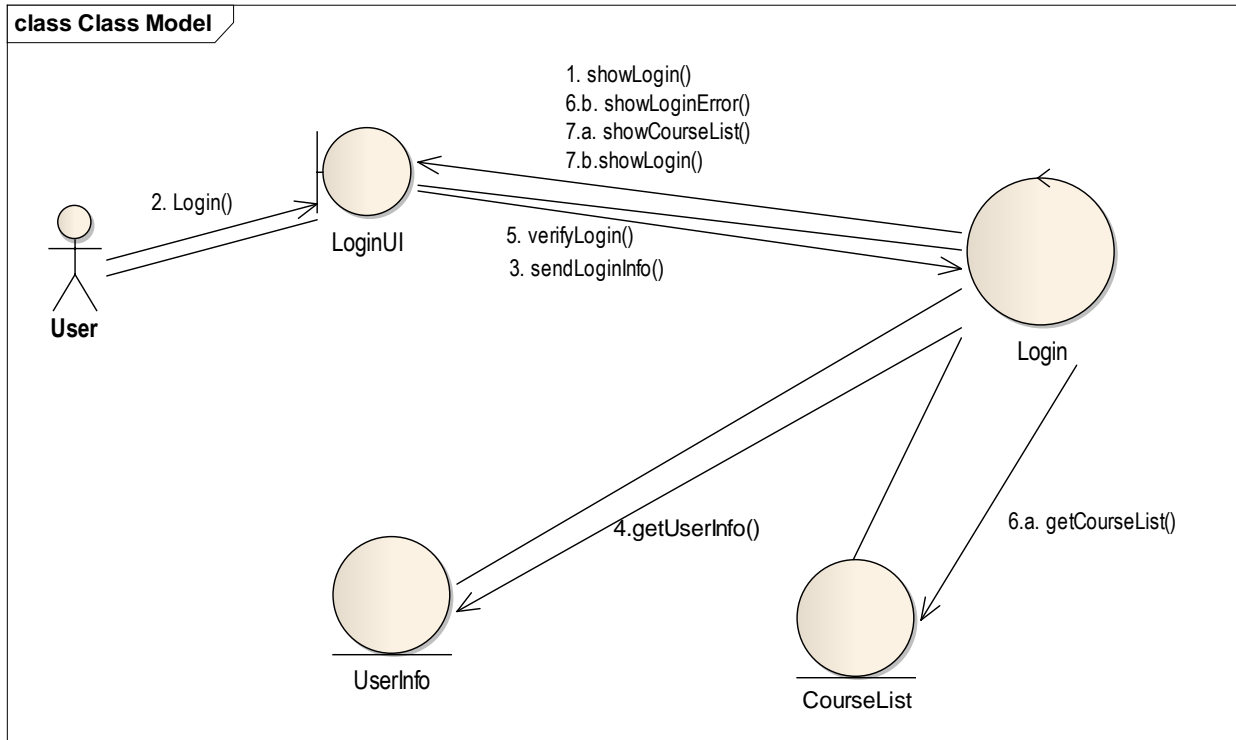


Account management svstem

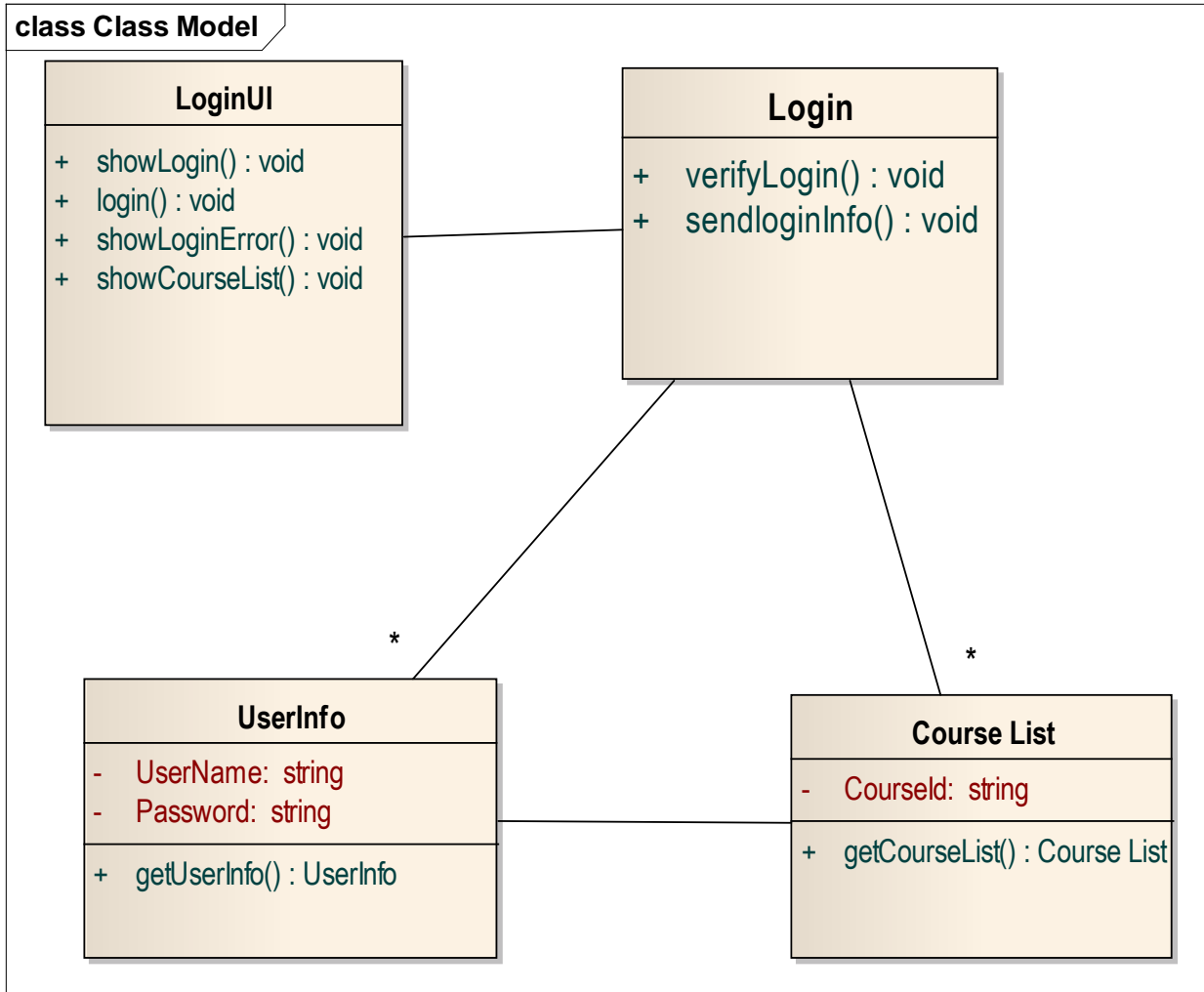
Use case Glossary :

ID	UseCase name	Description	Participant actors and roles
1	Login	Providing access depending on accuracy of username and password	Teacher and student provide username and password
2	Logout	Logging out of the system	Teacher and student log out of the system
3	Open account	Creating a new account for access to certain courses	Teacher and student fill up a form, contents of the form is forwarded to admin
4	Approve account	Approval of newly created account	Admin approves the account based on physical evidence
5	Show profile	Profile information is showed	Teacher and student can view their account information
6	Update profile	Profile information is updated	Teacher and student can update their profile; after completion of update, Show profile is initiated

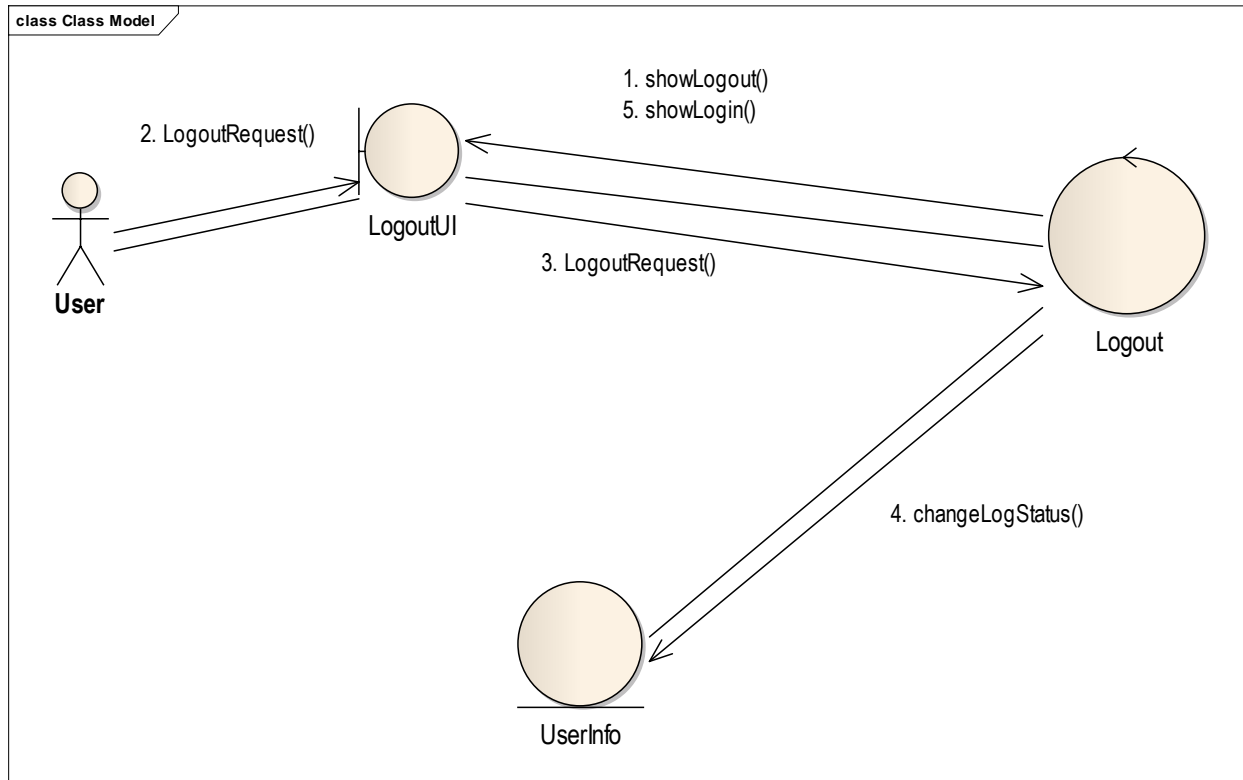
Login Collaboration Diagram



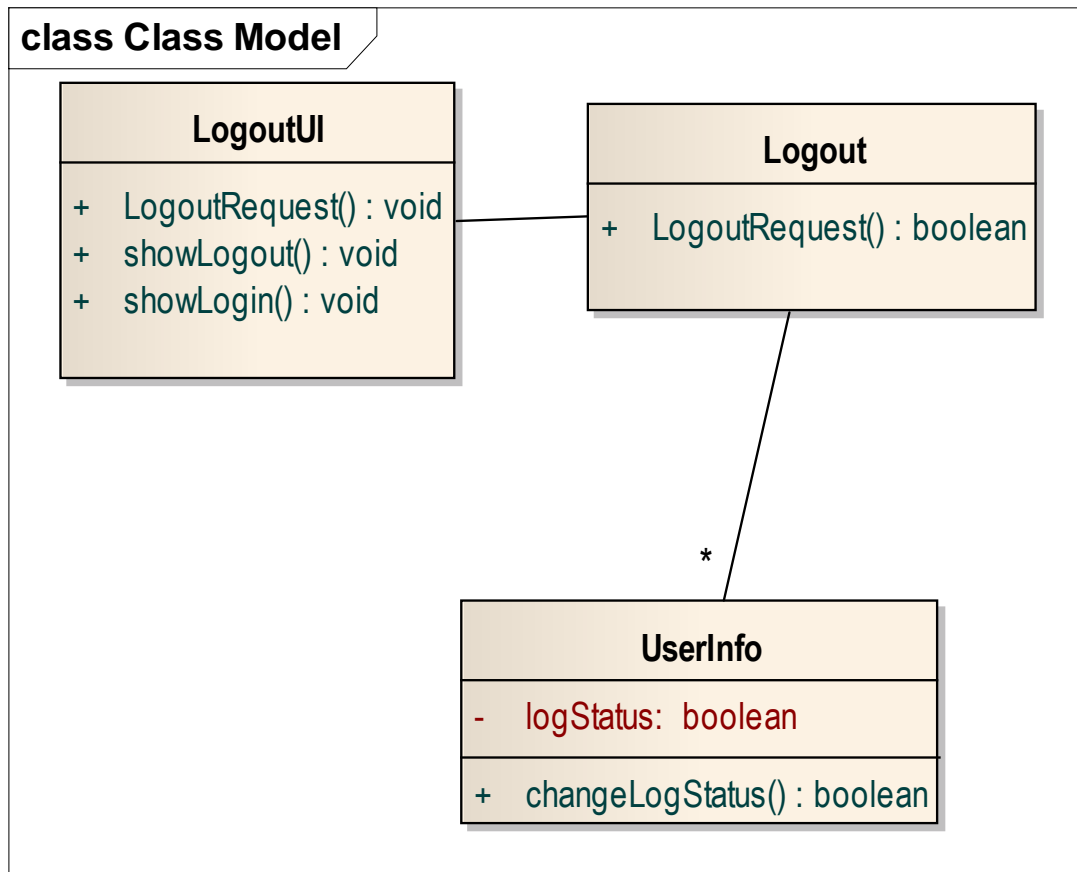
Login Class Diagram



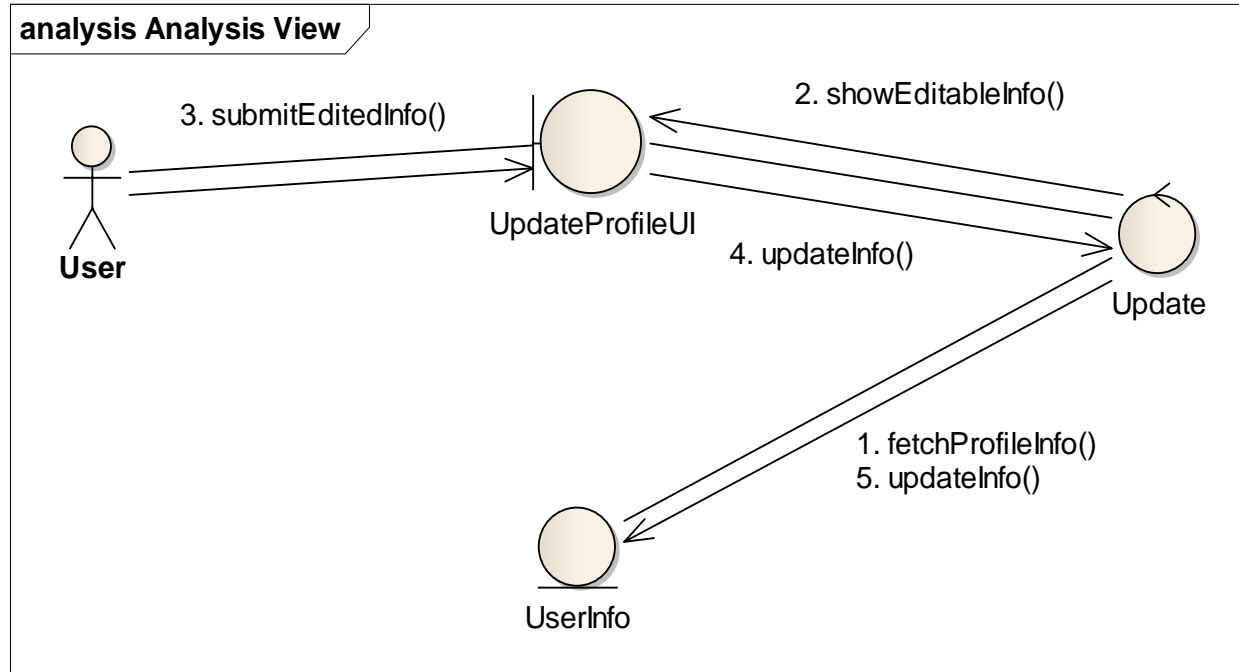
Logout Collaboration Diagram



Logout Class Diagram

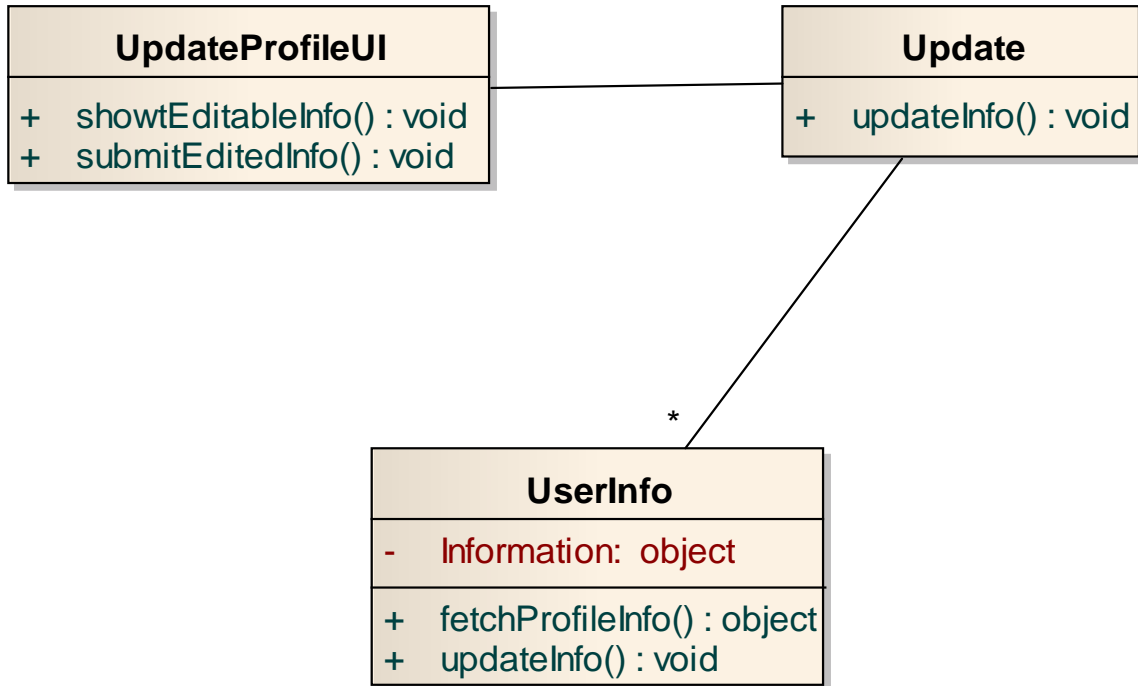


Update Profile collaboration

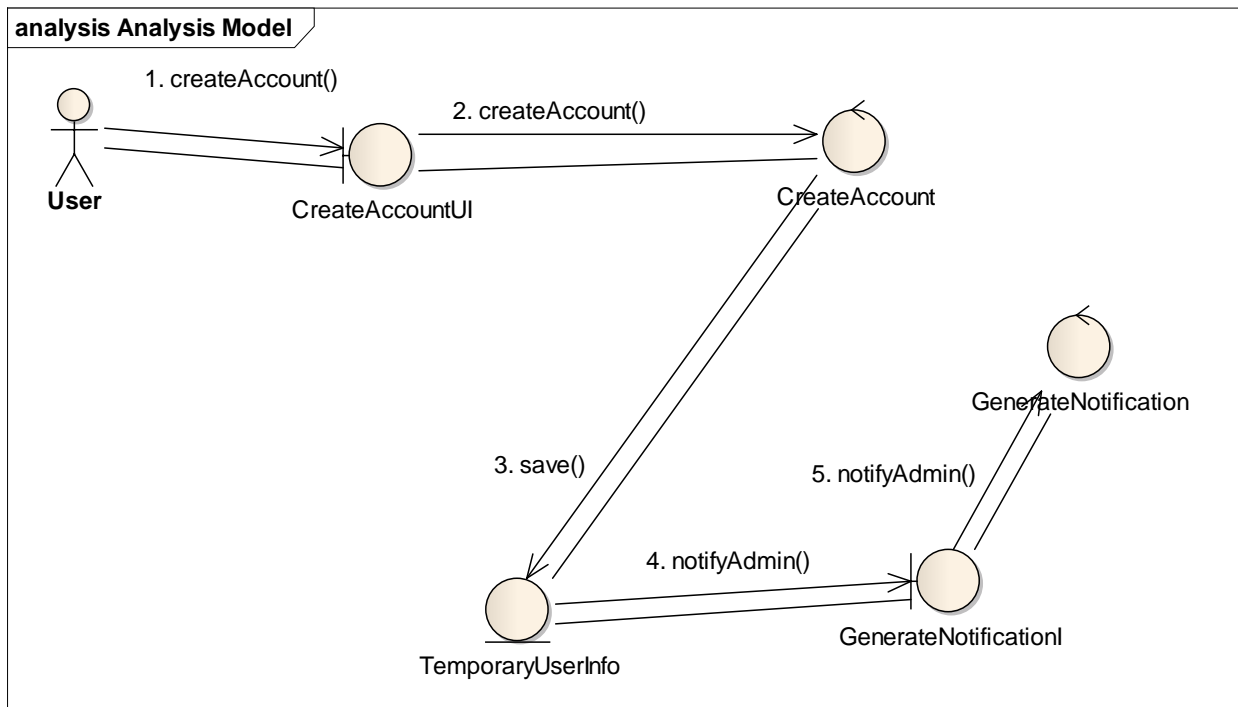


UpdateProfile Class

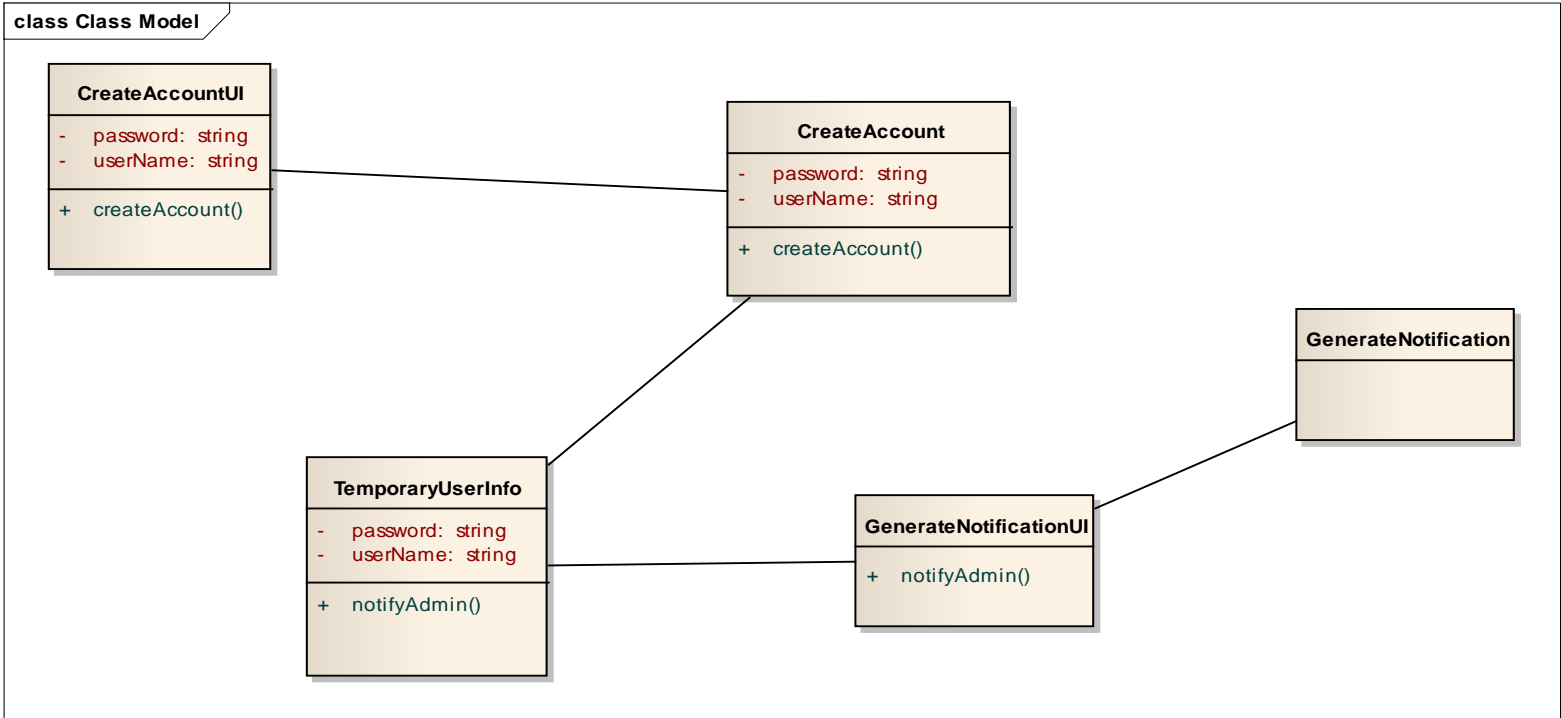
class Class Model



Create Account Collaboration



Create Account Class Diagram

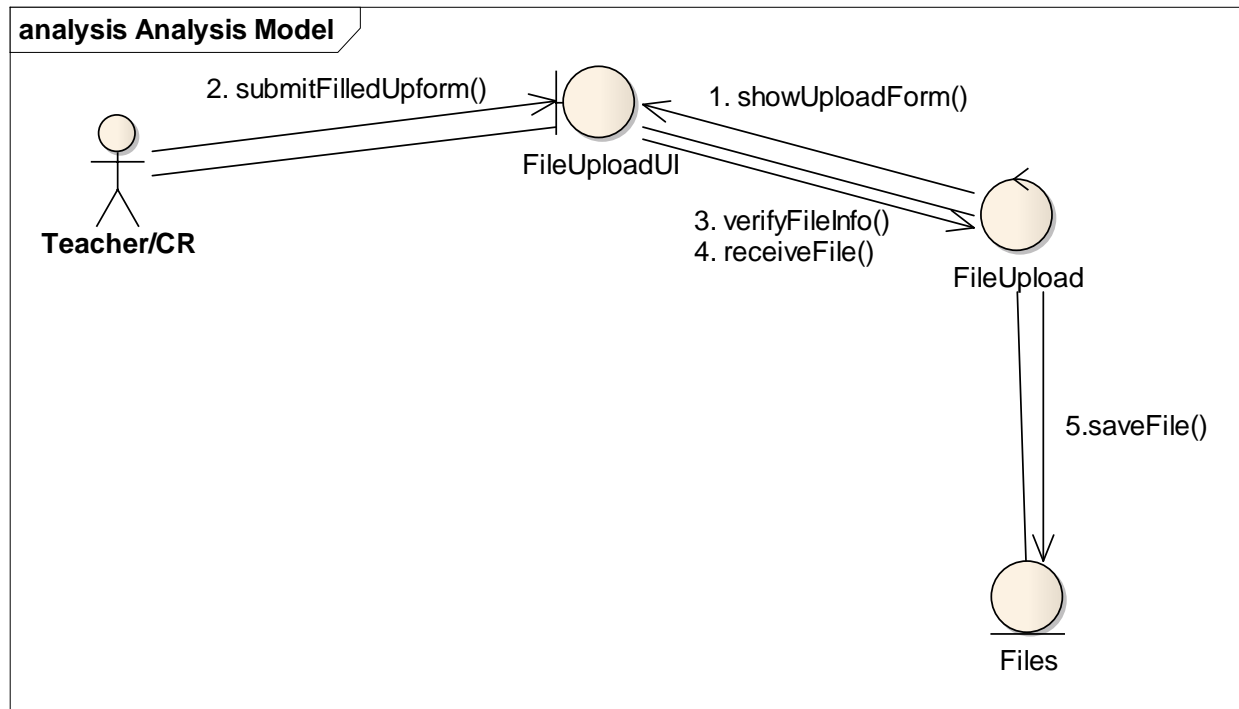


Course Content Management

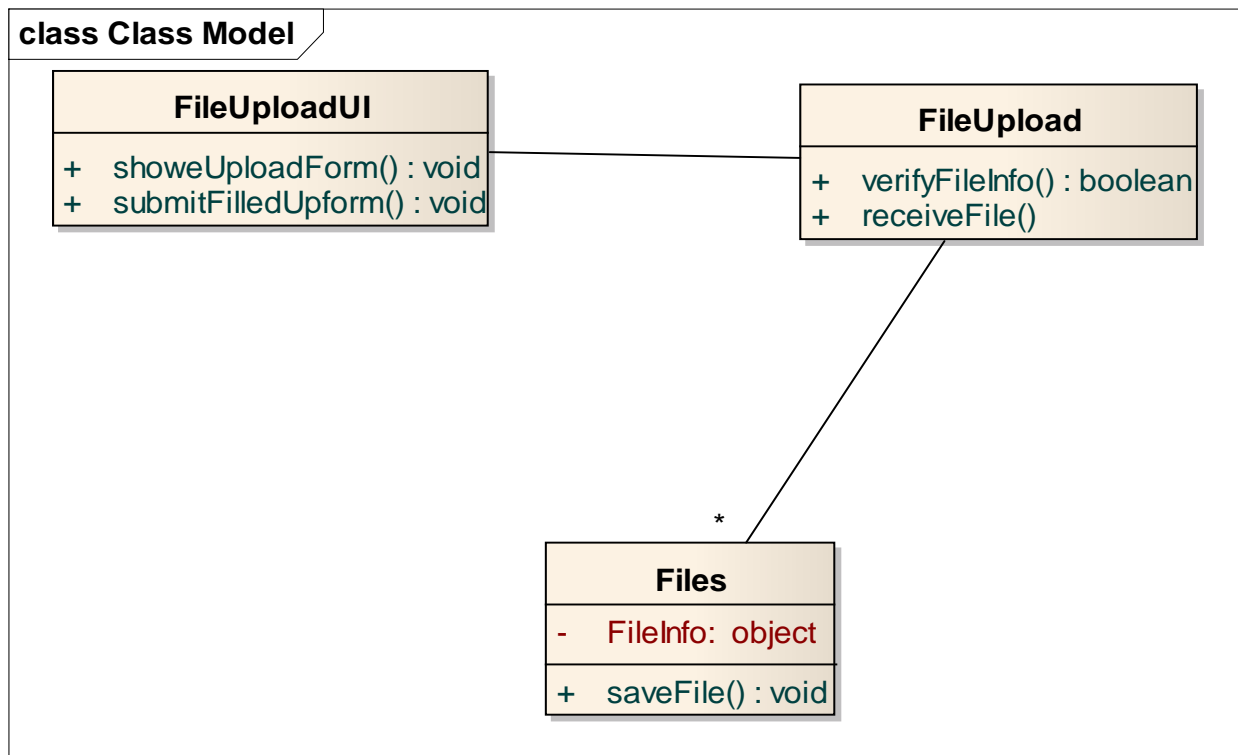
Usecase Glossary :

Use Case id	Use Case Name	Actors	Participant actor and roles
1	Show Course pages	Student, Teacher	Actor wants to see the course contents
2	File Upload	Course Teacher, Class Representative, Admin	Course teacher/CR uploads course materials
3	File Download	Student, Teacher	Student downloads the uploaded course materials
4	Archiving	Admin, student, teacher	Admin archive the previous course contents and student and teacher can access them

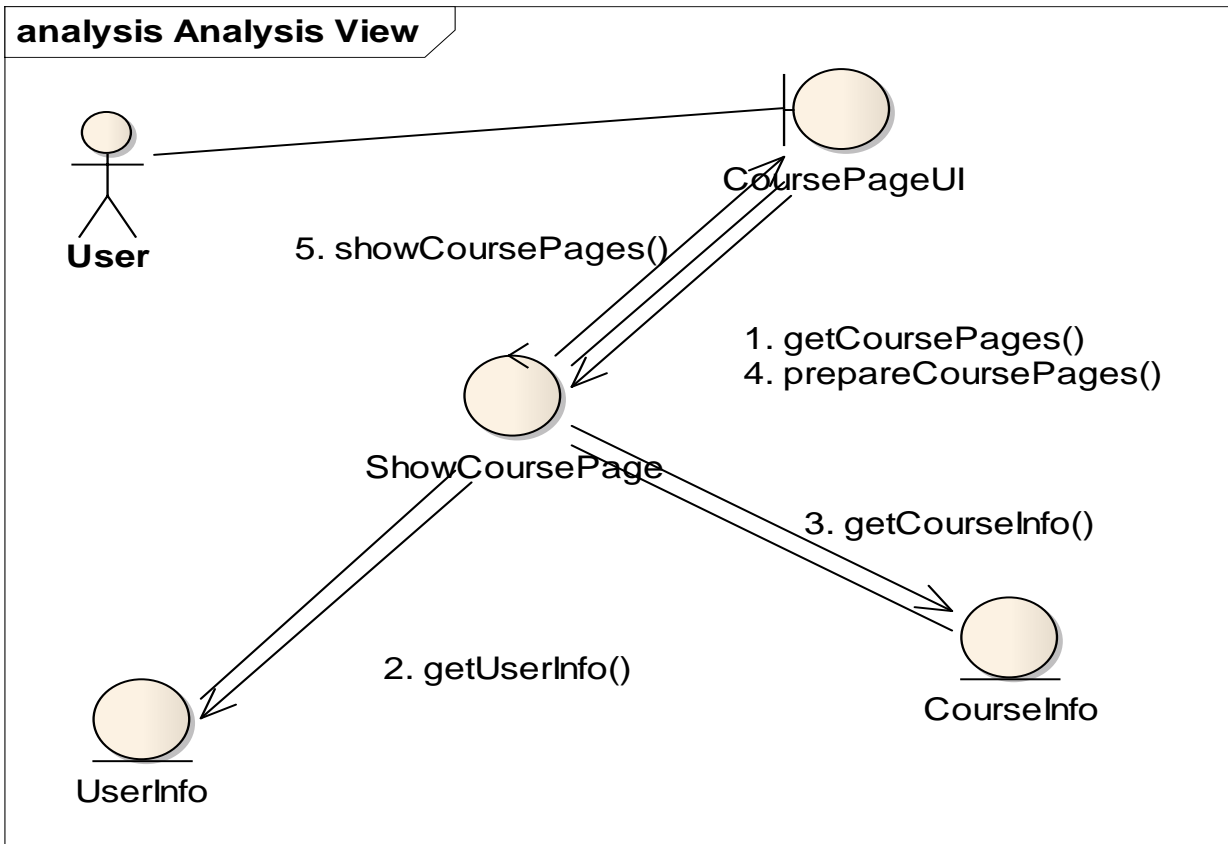
File Upload Collaboration Diagram



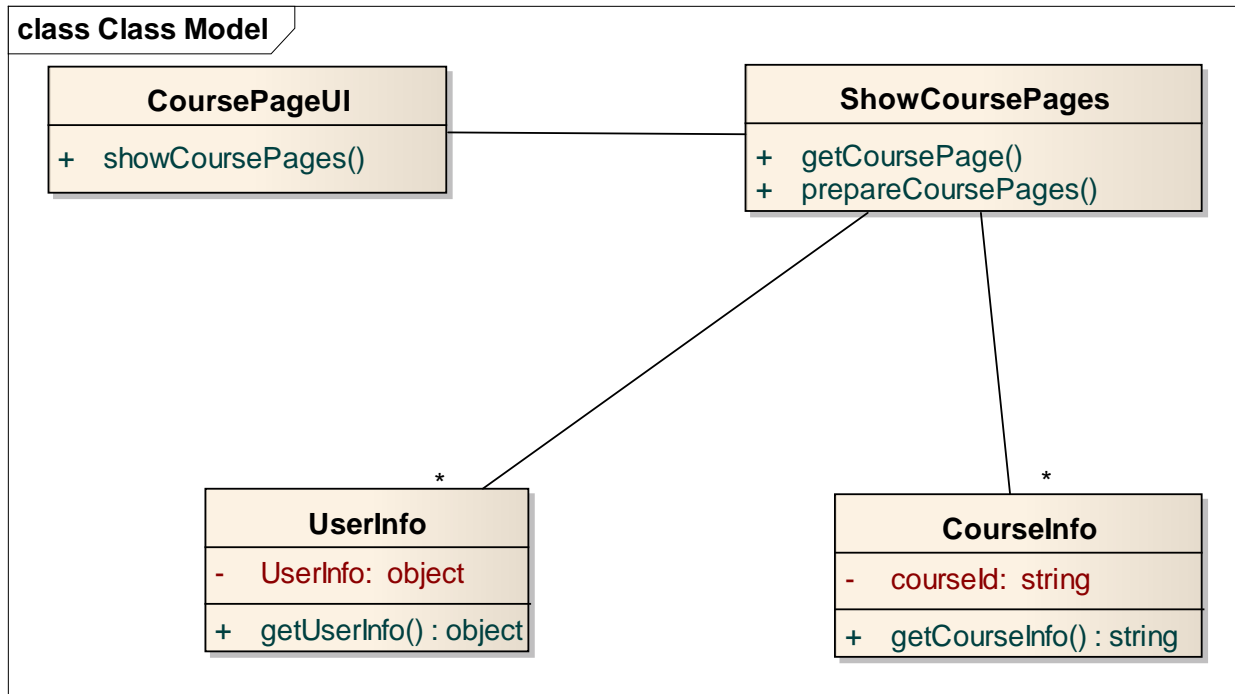
FileUpload Class Diagram



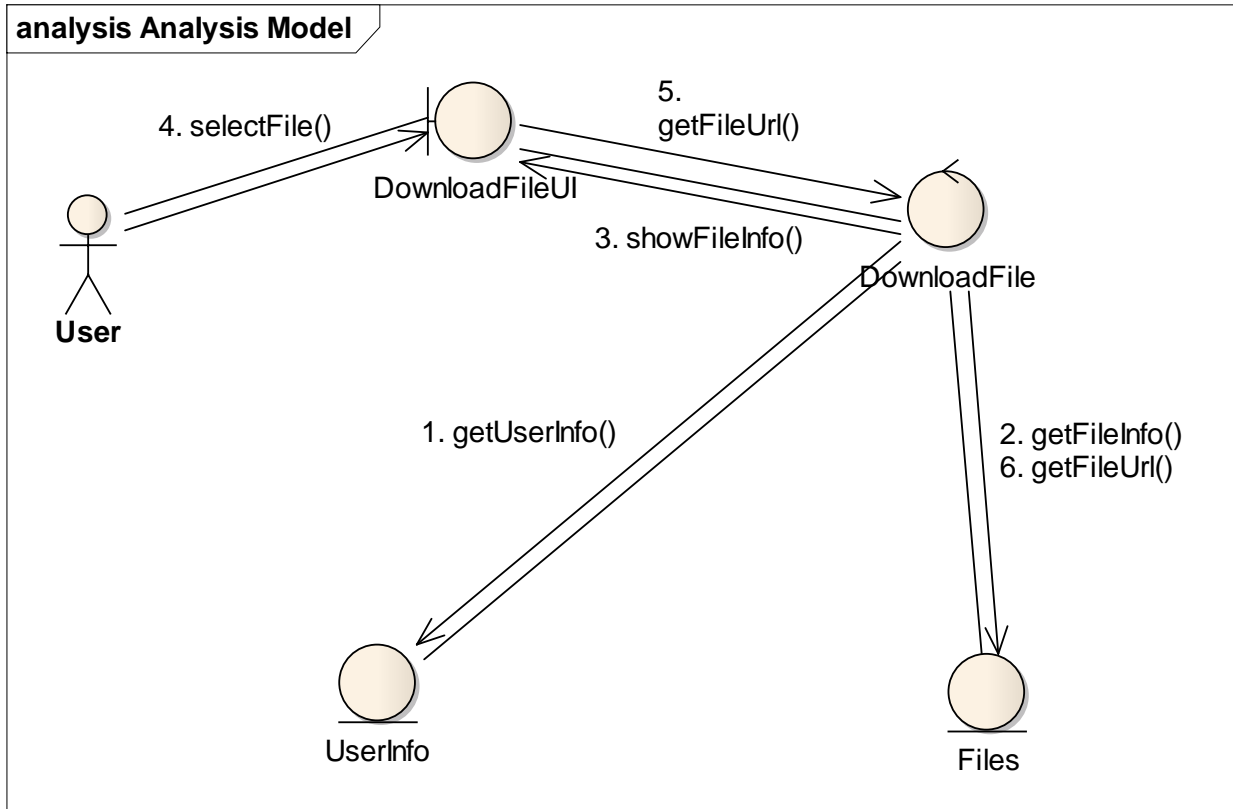
CourseContent Management



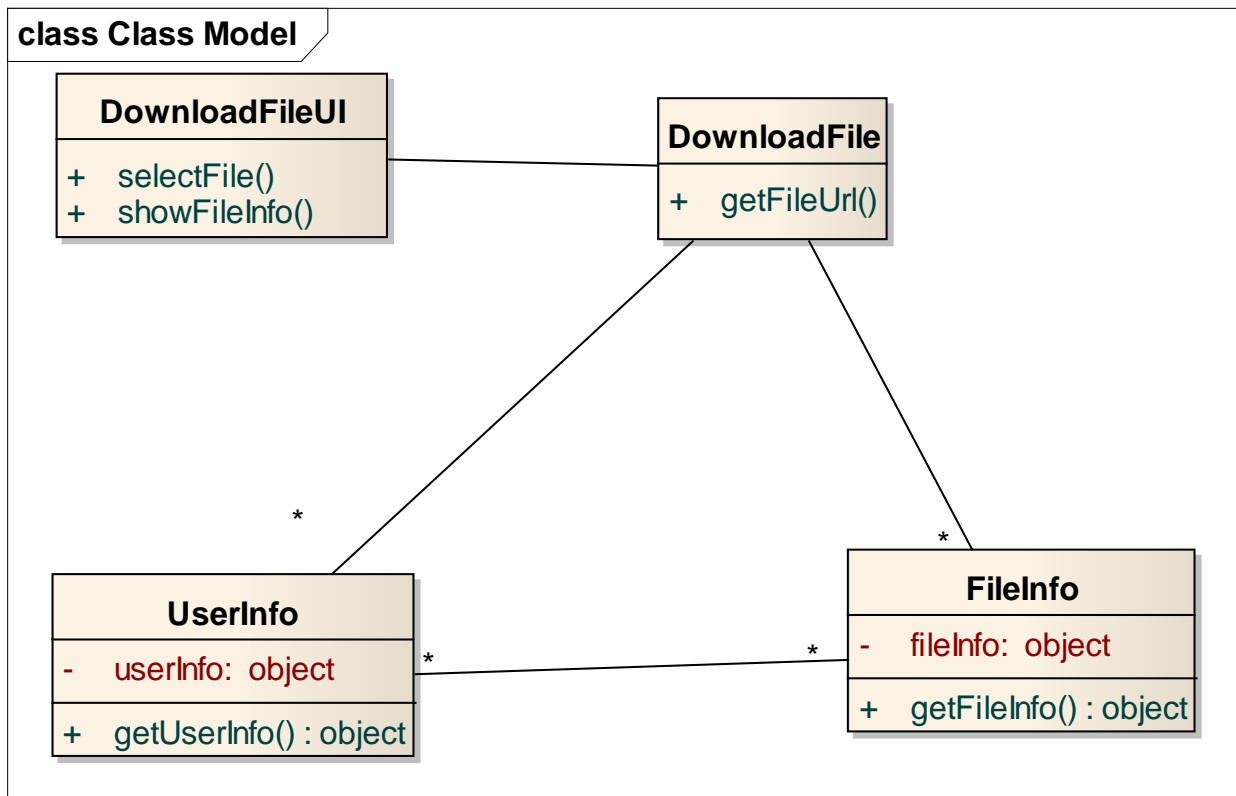
CourseContent Management



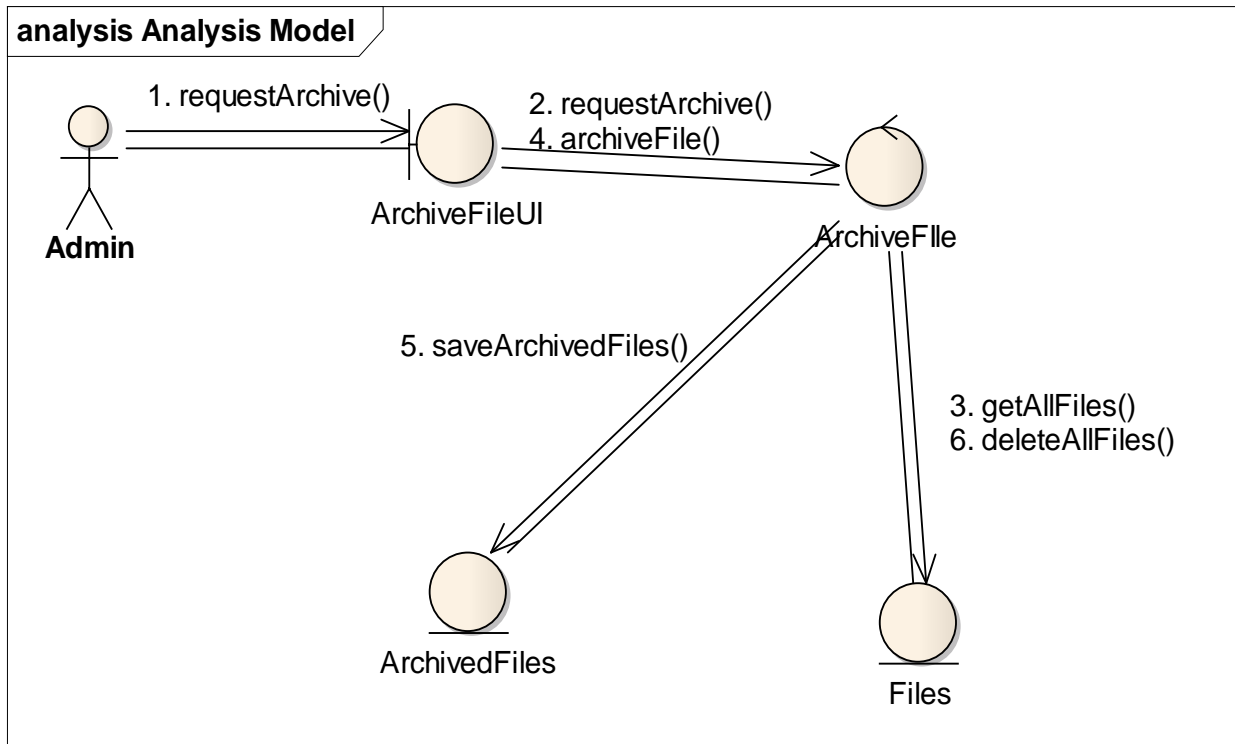
File Download Collaboration



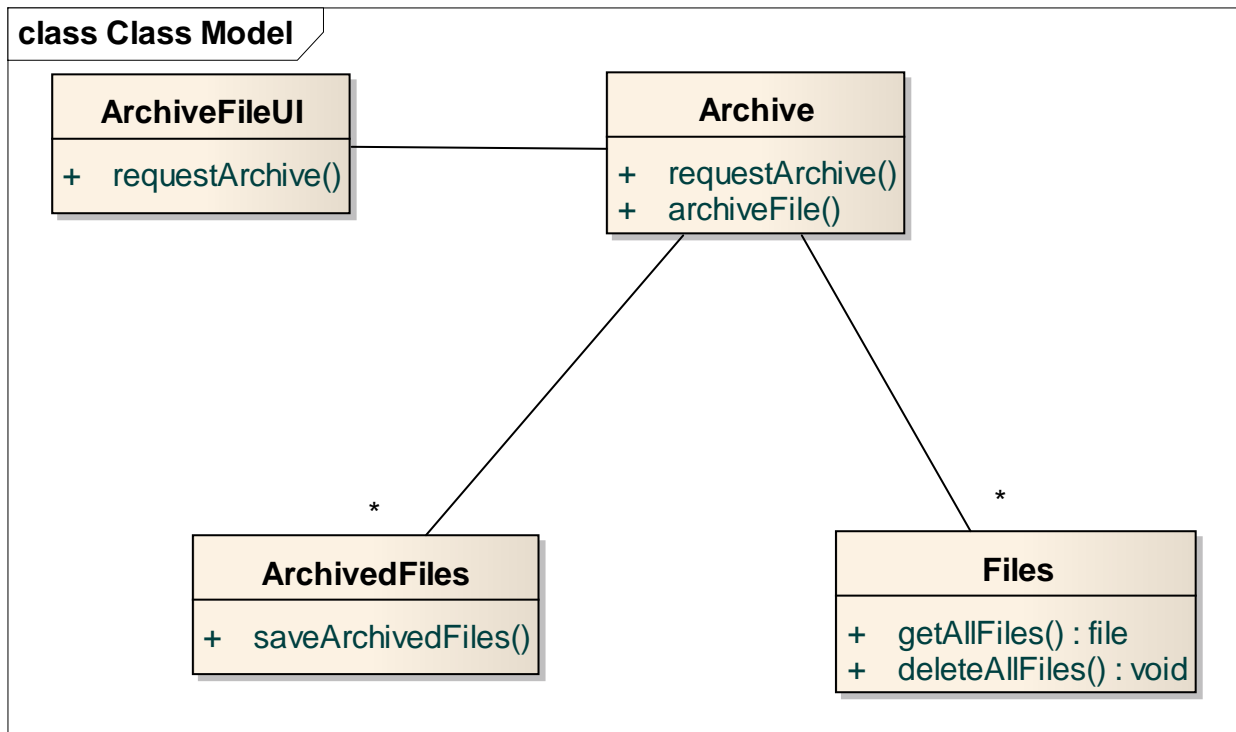
File Download Class Diagram



Archive Files Collaboration Diagram



Archive Files Class Diagram



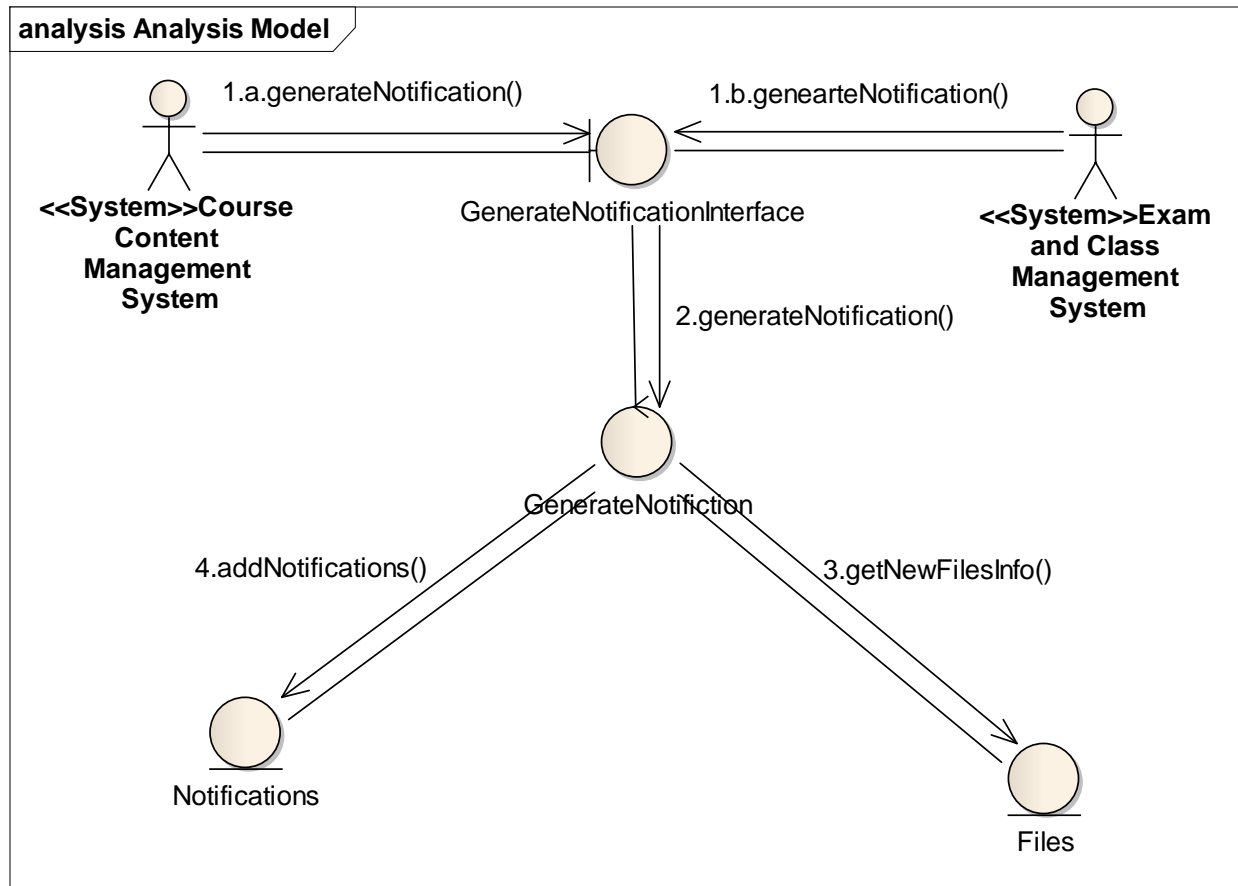
Notification and Warning System

Usecase Glossary :

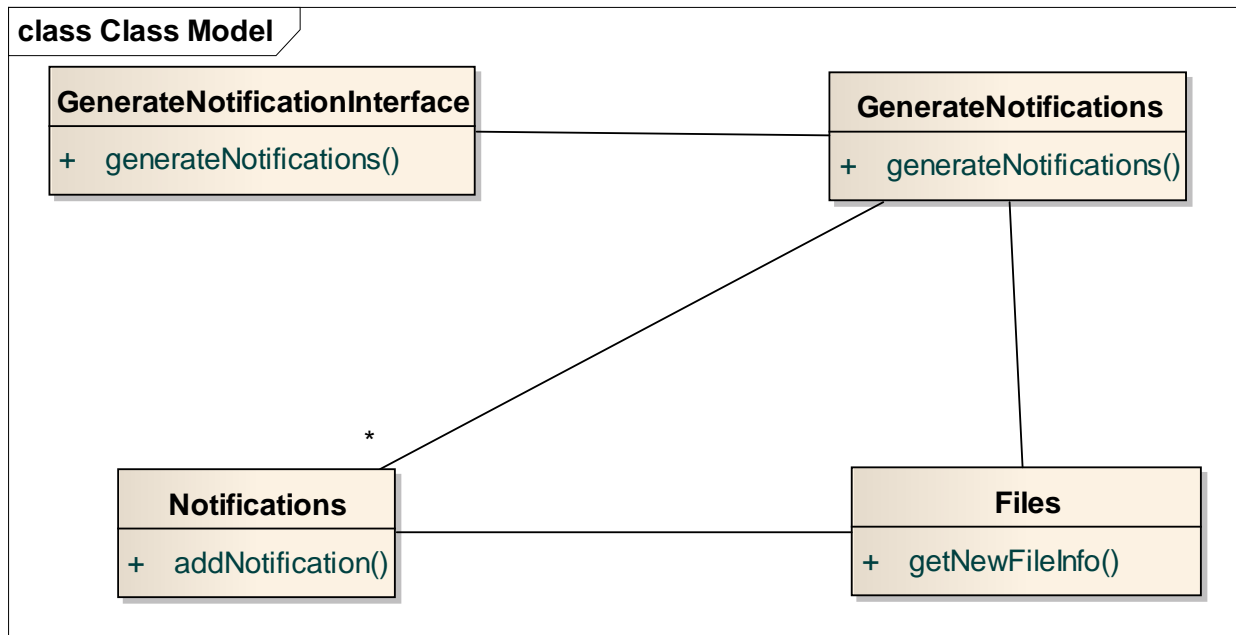
ID	UseCase name	Description	Participant actors and roles
4.1	Generate Notification	Generate appropriate notification on initialization.	Exam Management System and Course Content Management System request to make notifications.
4.2	Generate Warning	Generate warnings.	Teacher gives warning to the student.
4.3	Get Detail of New Uploads	Deliver new upload details to Generate Notification.	Course Content Management System provides necessary information about new uploaded files.
4.4	Get Update of Exam Schedule and Mark	Deliver new exam schedule or marks to Generate Notification.	Exam Management System provides necessary information about new exam schedule or marks.
4.5	Update Notice Board	Gives new notice to notice board.	Teacher gives notice.
4.6	Send Notification and Warnings	Sends notifications and warnings.	Student gets notification about new uploaded file, exam schedule and marks. Also gets warning if given.

4.7	View Notice Board	Shows notices.	Teacher and Student view notices.
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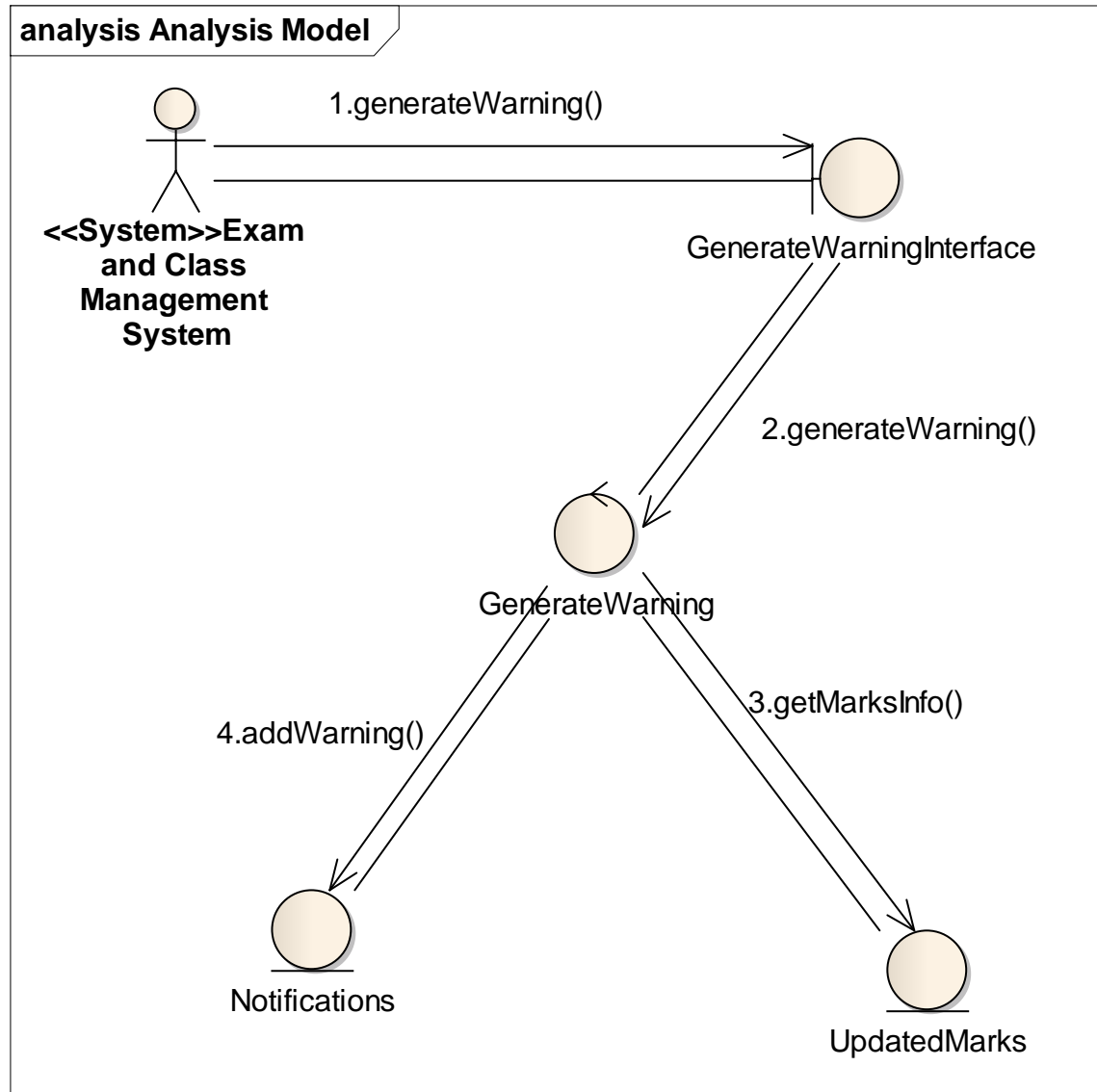
Generate Notification Collaboration



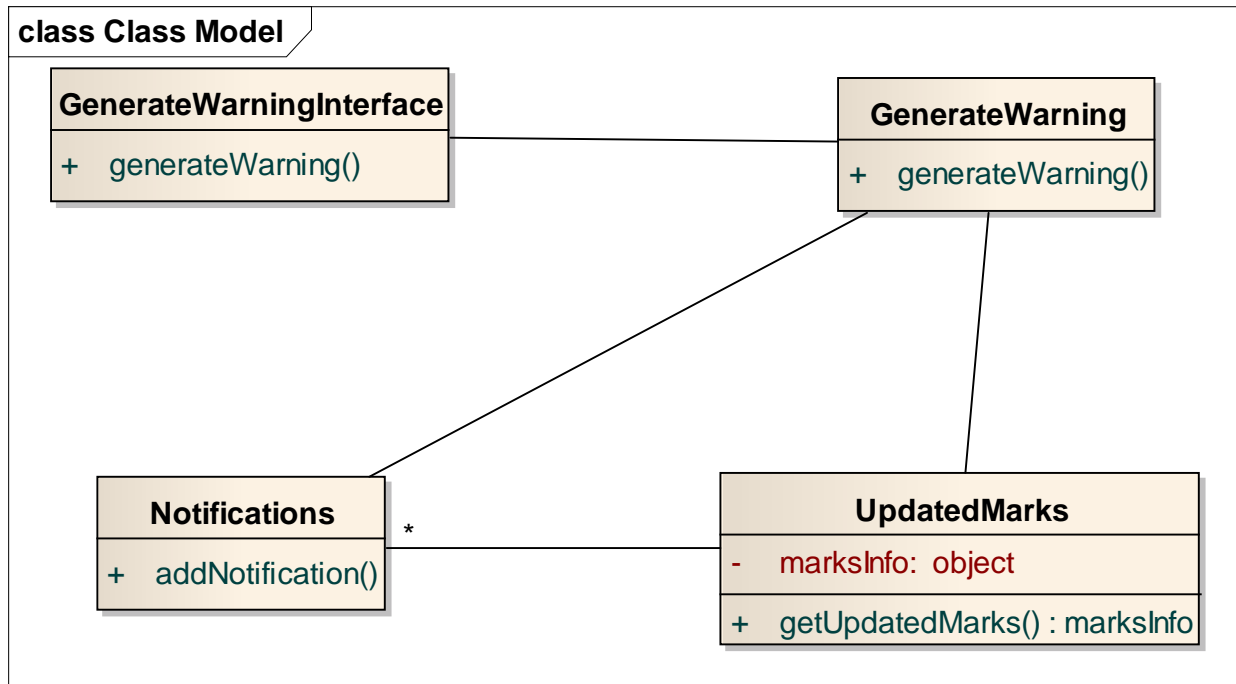
Generate Notification Class Diagram



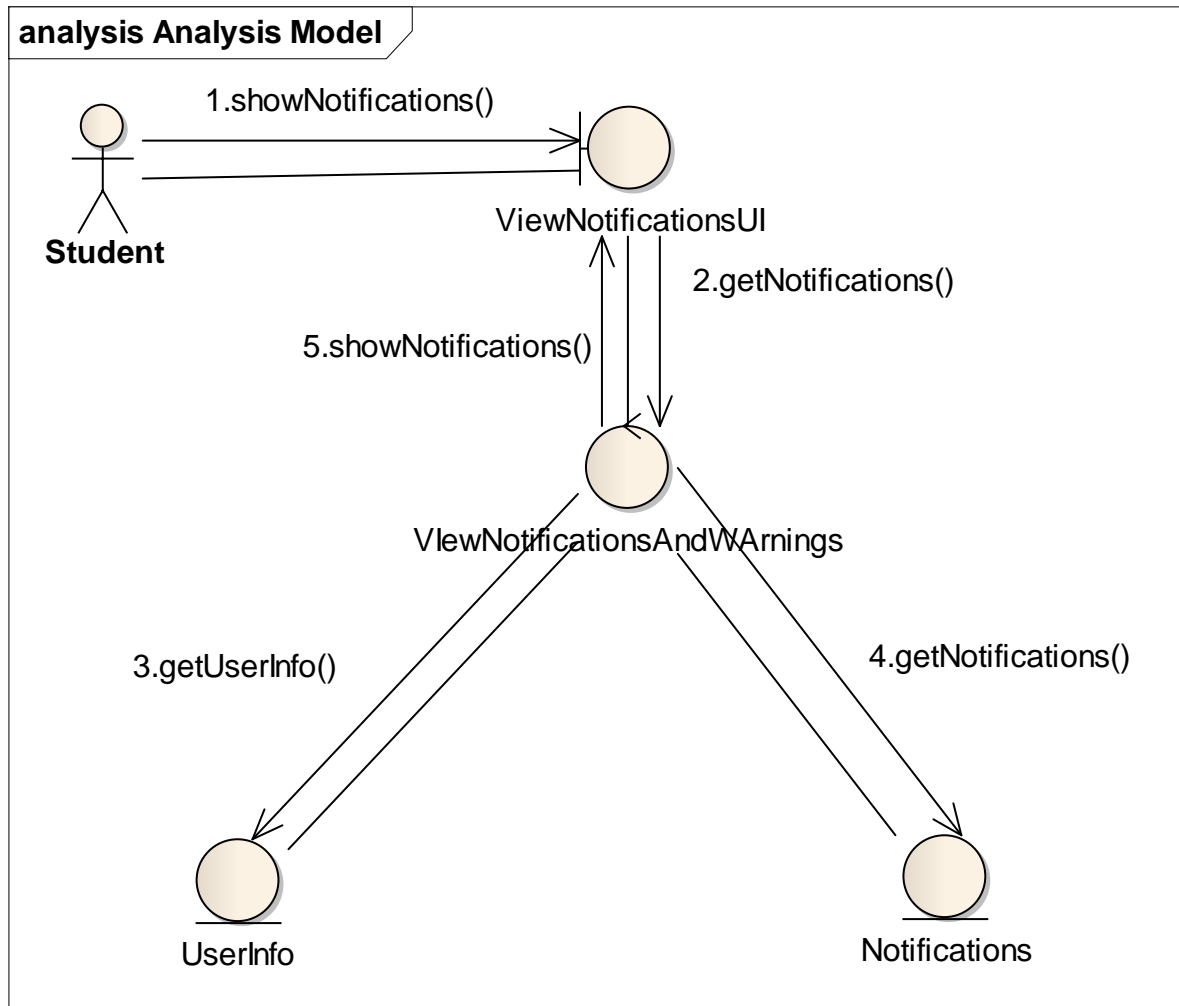
Generate Warning Collaboration



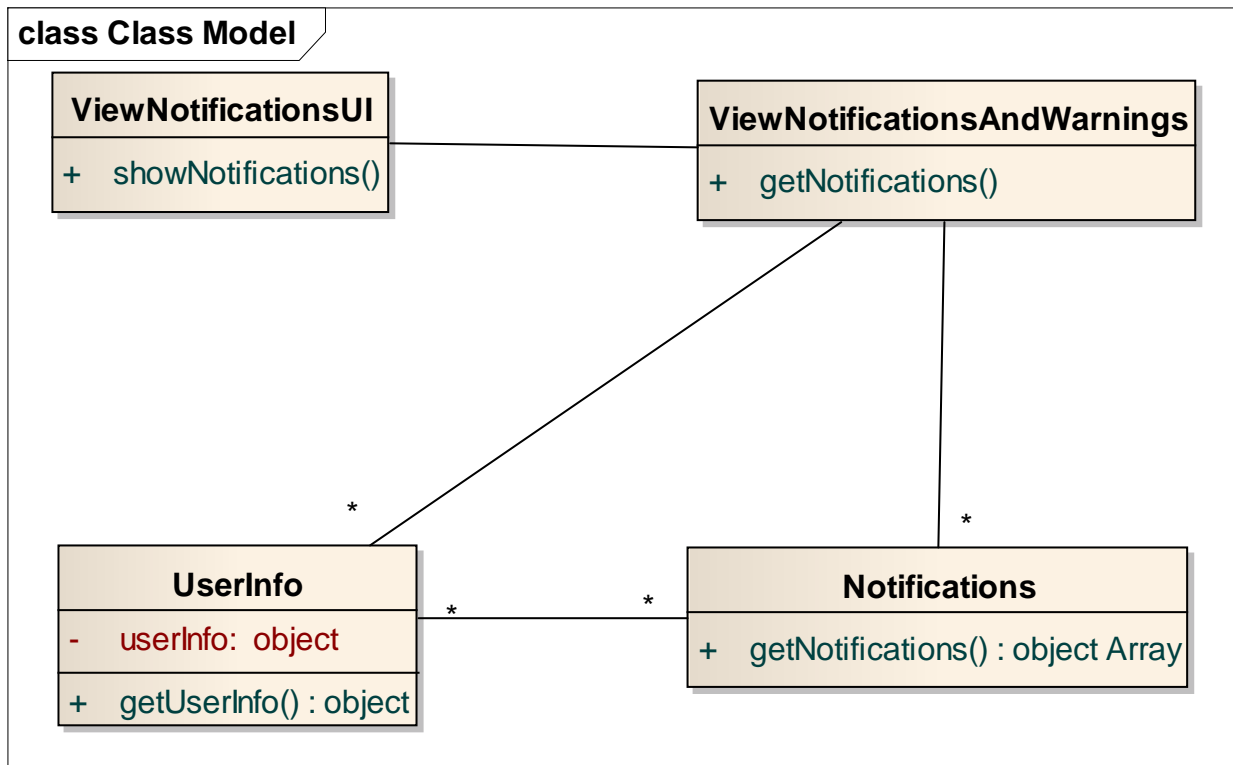
Generate Warning Class Diagram



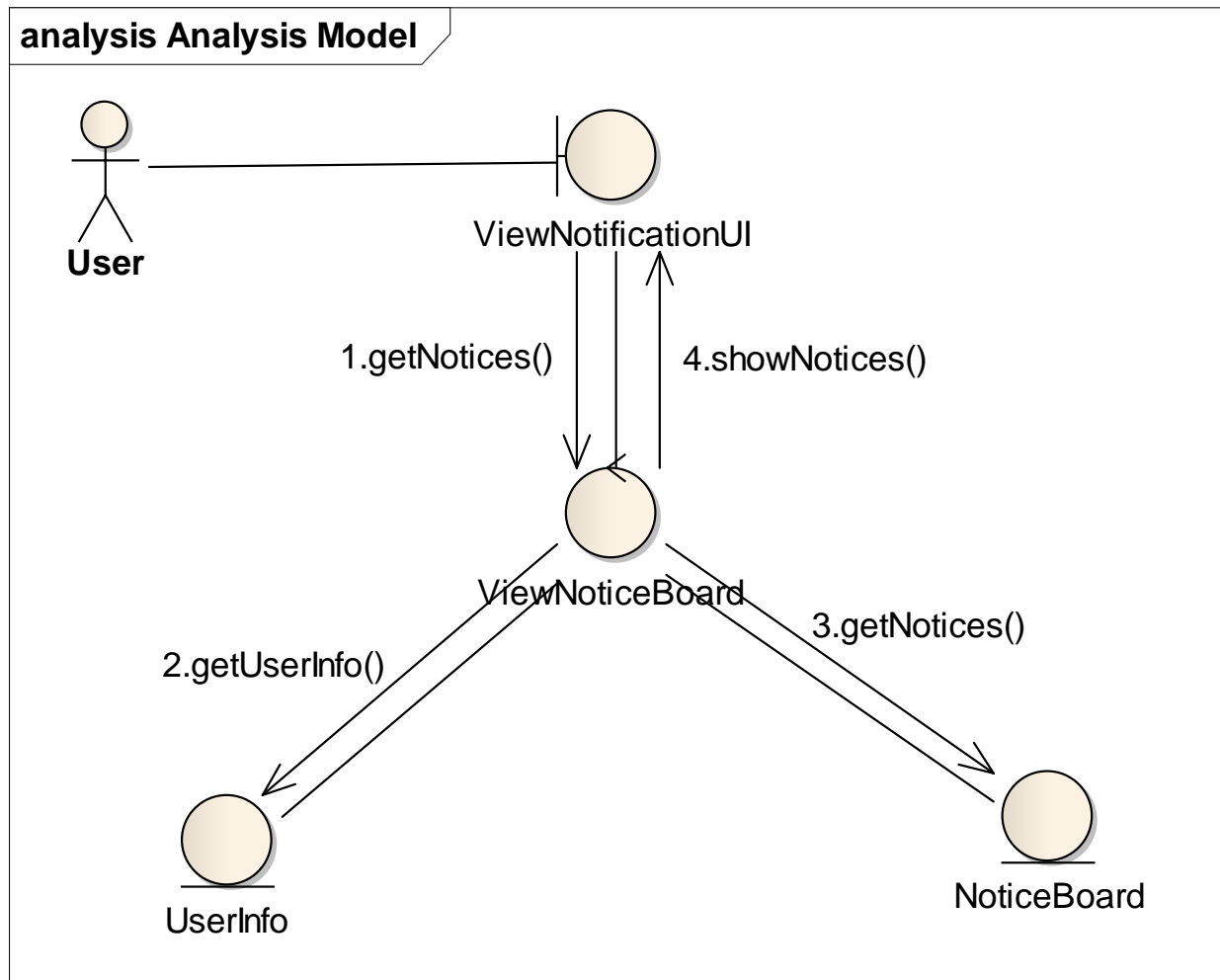
View Notification Collaboration



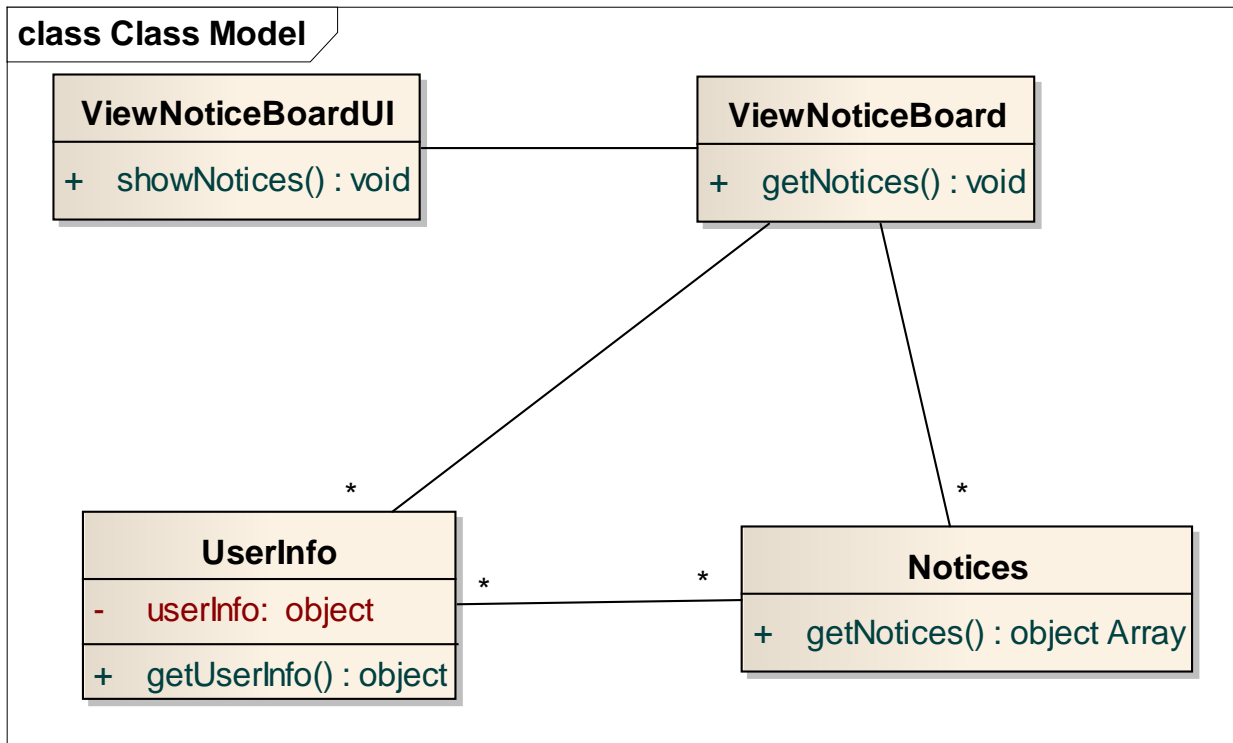
View Notification Class Diagram



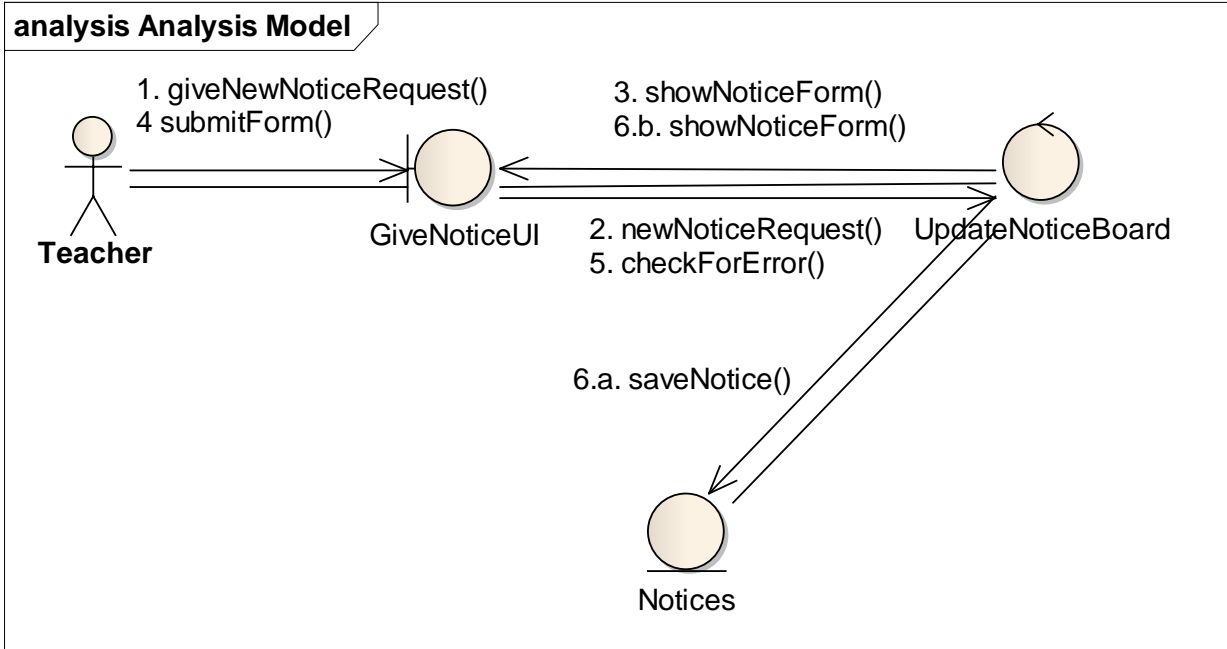
View Notice Board Collaboration



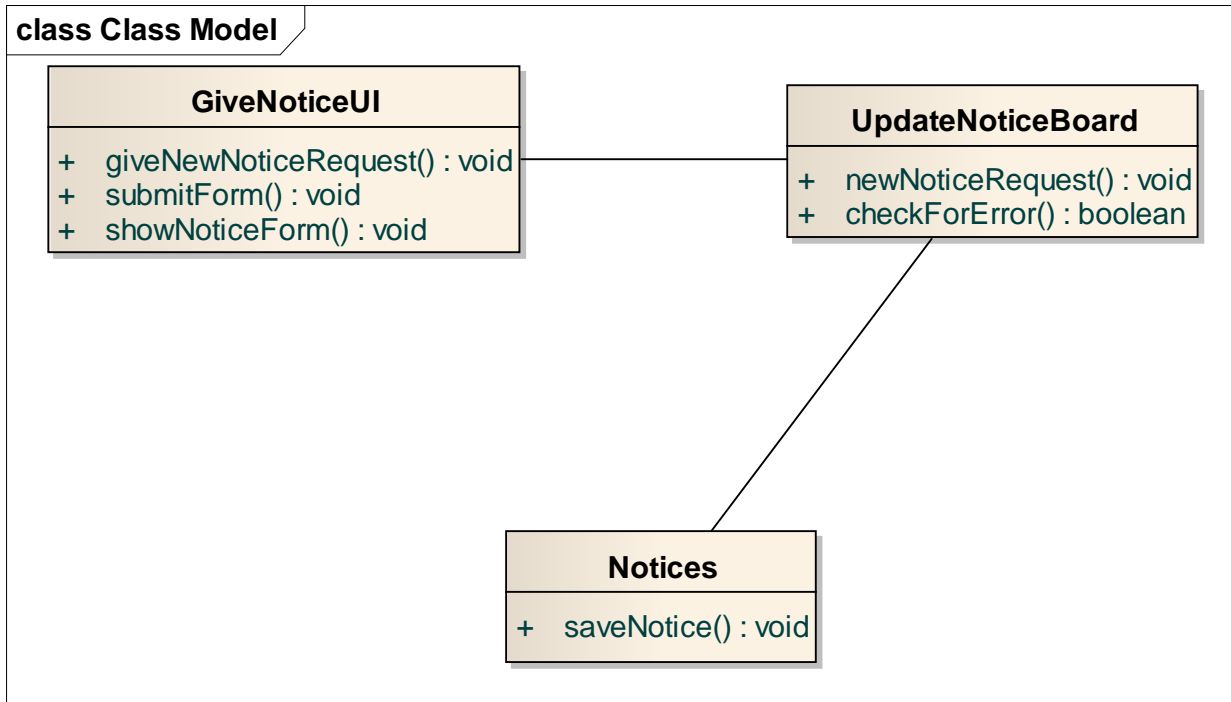
View Notice Board Class Diagram



Update Notice Board Collaboration



Update Notice Board Class Diagram

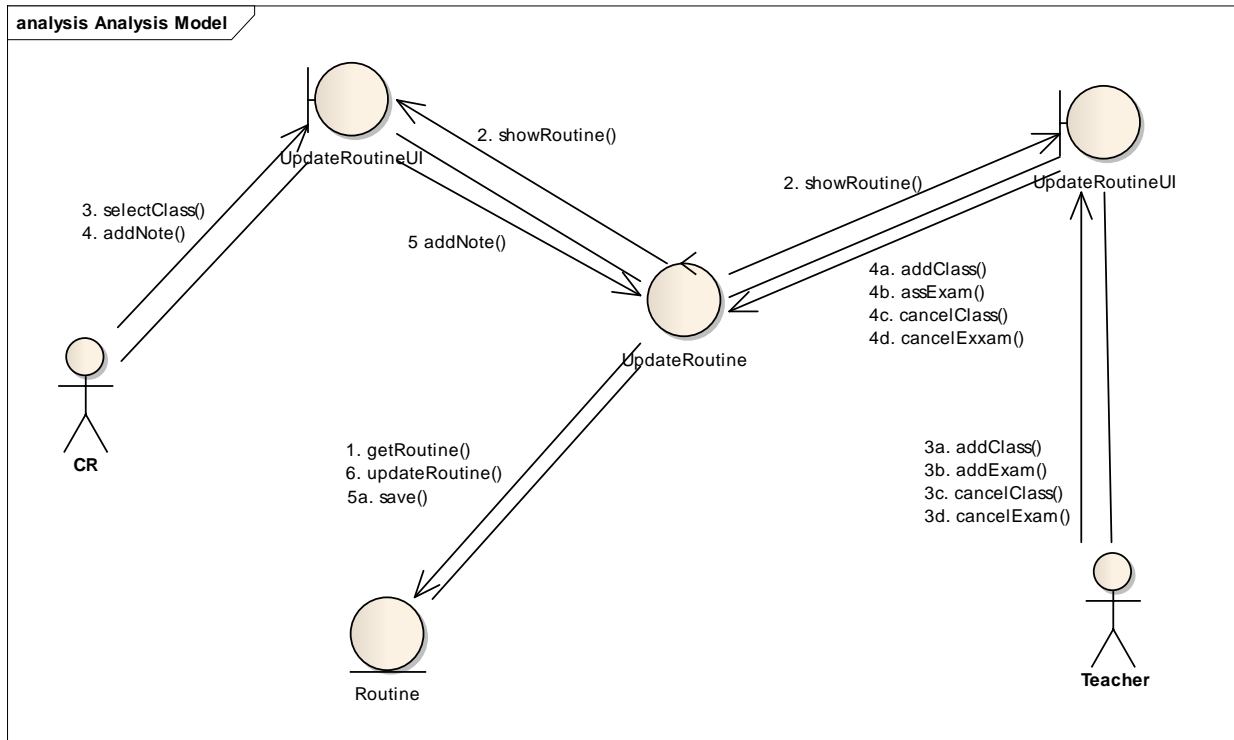


Interactive Routine Svstem

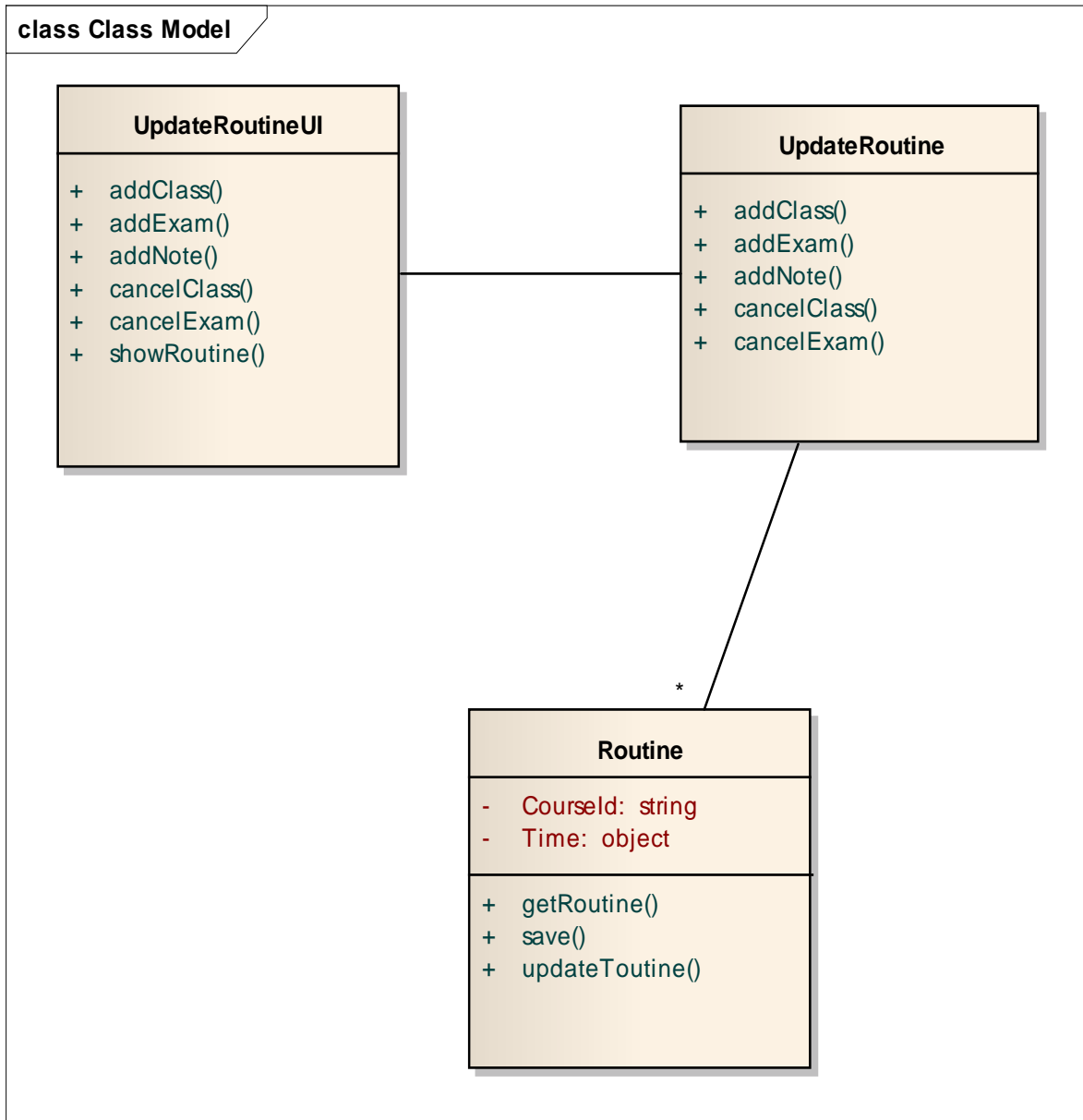
Usecase Glossary :

UseCase name	Description	Participant actors and roles
Update exam and class information	Update the routine information about exam and classes.	Exam and class management system
Update routine	Changes the interactive routine accordingly	n/a
Add note	Add sticky note about a specific class	CR
View routine		Teacher, student

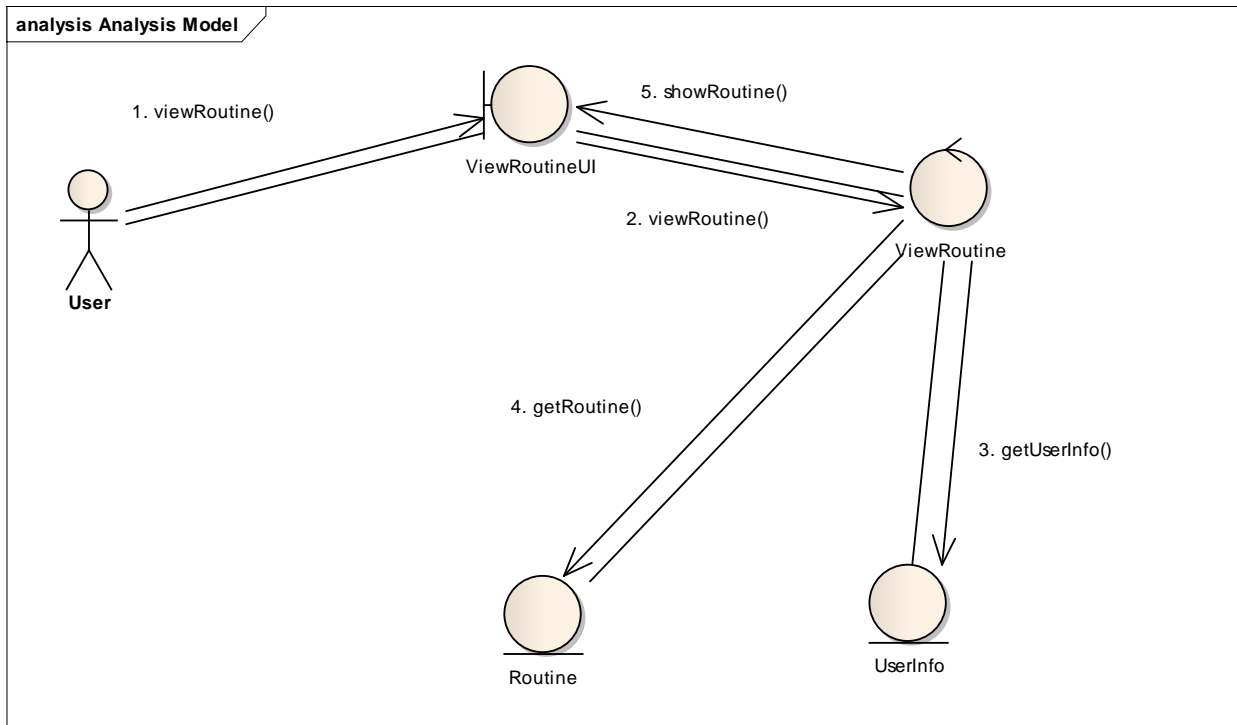
Update Routine Collaboration



Update Routine Class Diagram



View Routine Collaboration



View Routine Class Diagram

