



# MULTI-MEDIA CASE STUDY APPLICATION

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# CASE DEVELOPER REQUIREMENTS

- The System should provide a development interface whose basis can be mastered by non-technical users.
- The System should have the ability to build cases with the option to track student progress by controlling content presentation in an intelligent way
- The System should allow the Instructor to be the case developer
- The time spent developing a case using this system should not take more than 40 hours
- The System should be capable of deploying cases remotely / Online

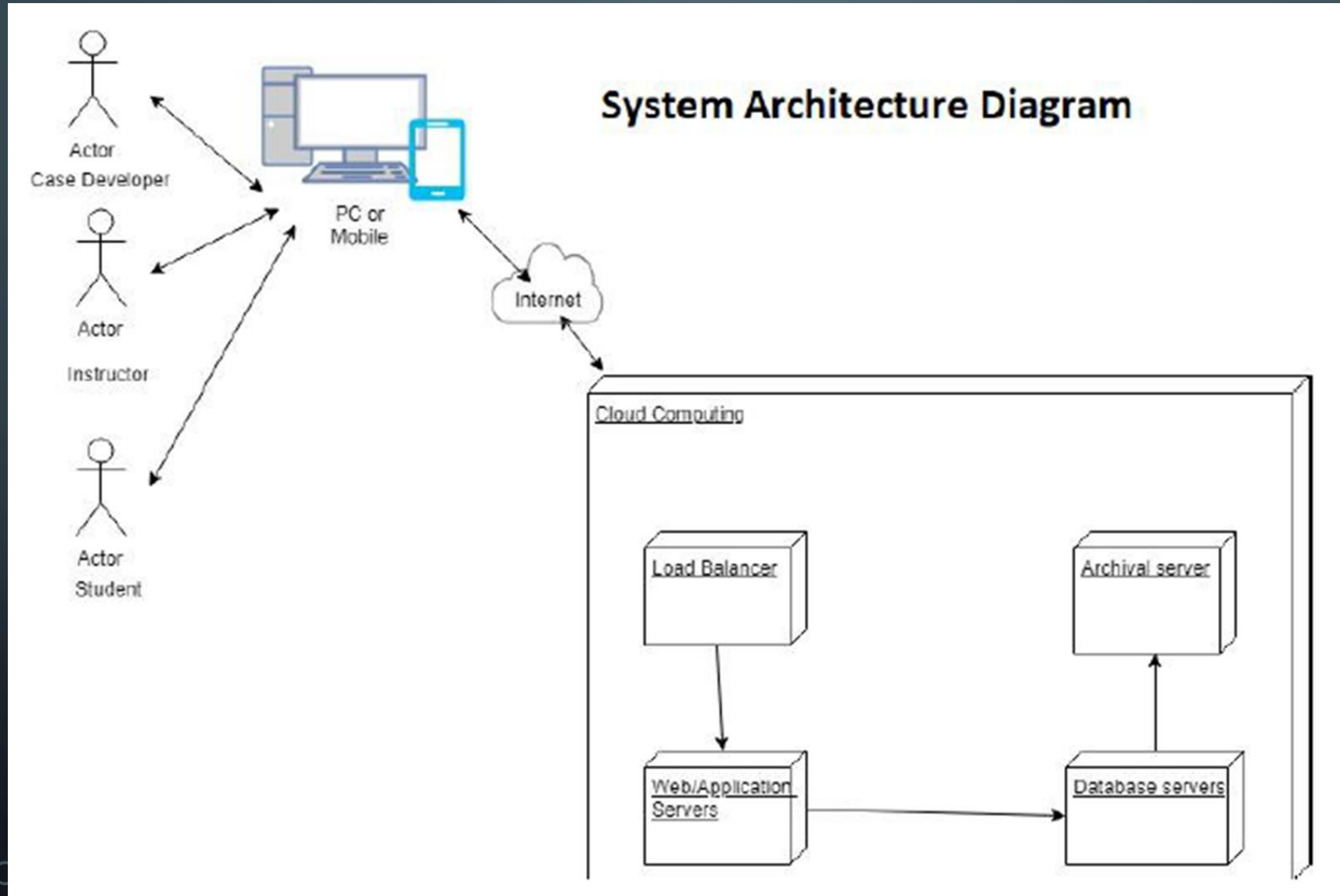
# INSTRUCTOR REQUIREMENTS

- Setup case for delivery
- Tracking student progress
- Create Groups
- Interaction with students
- Assessment by instructor
- Control the case content display

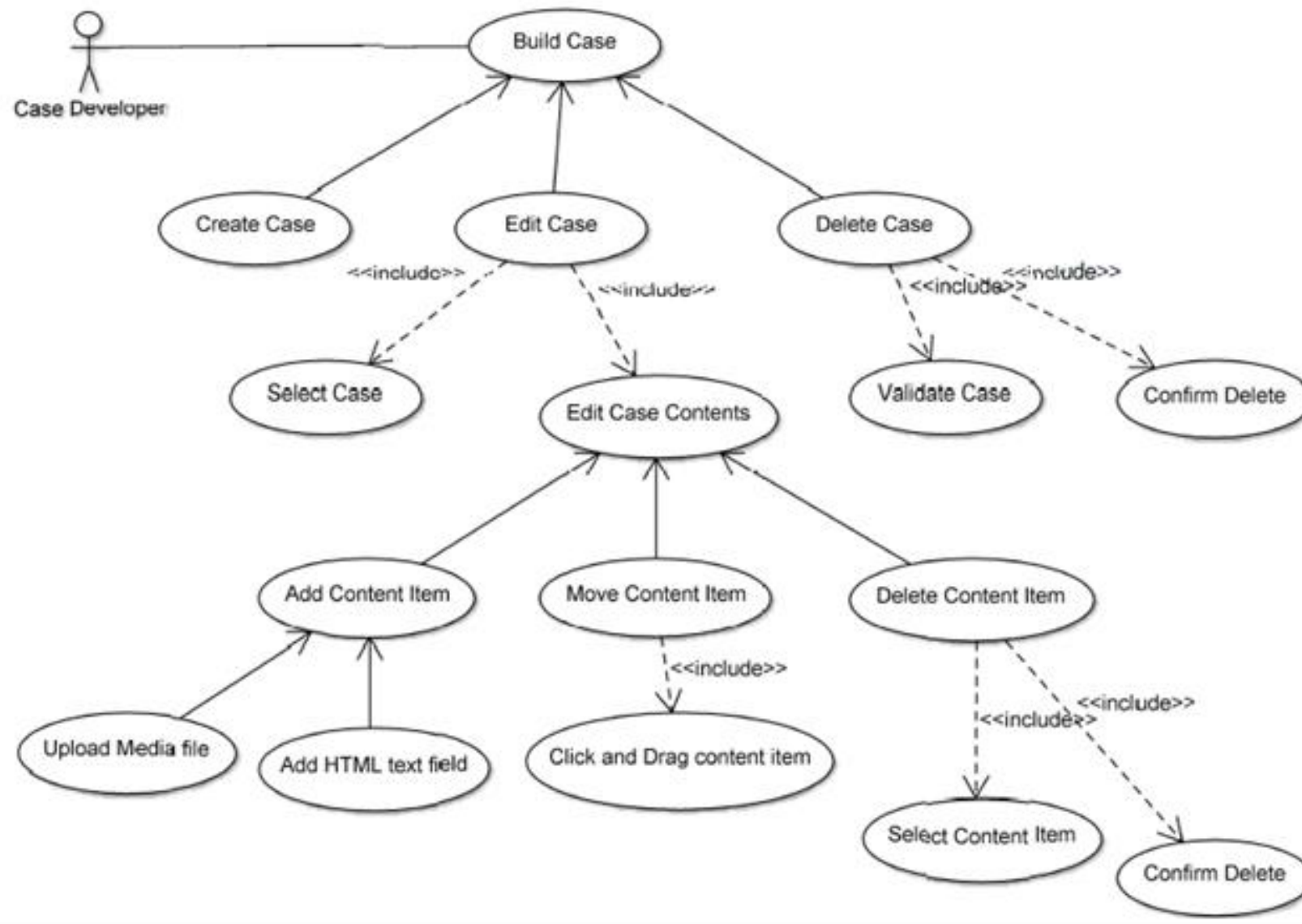
# STUDENT REQUIREMENTS

- The Multimedia Case System should interact with students by supporting learner-directed engagement and assembly of knowledge
- The proposed system would need to be inspection-usable by students
- The proposed system should support up to ten student users working individually

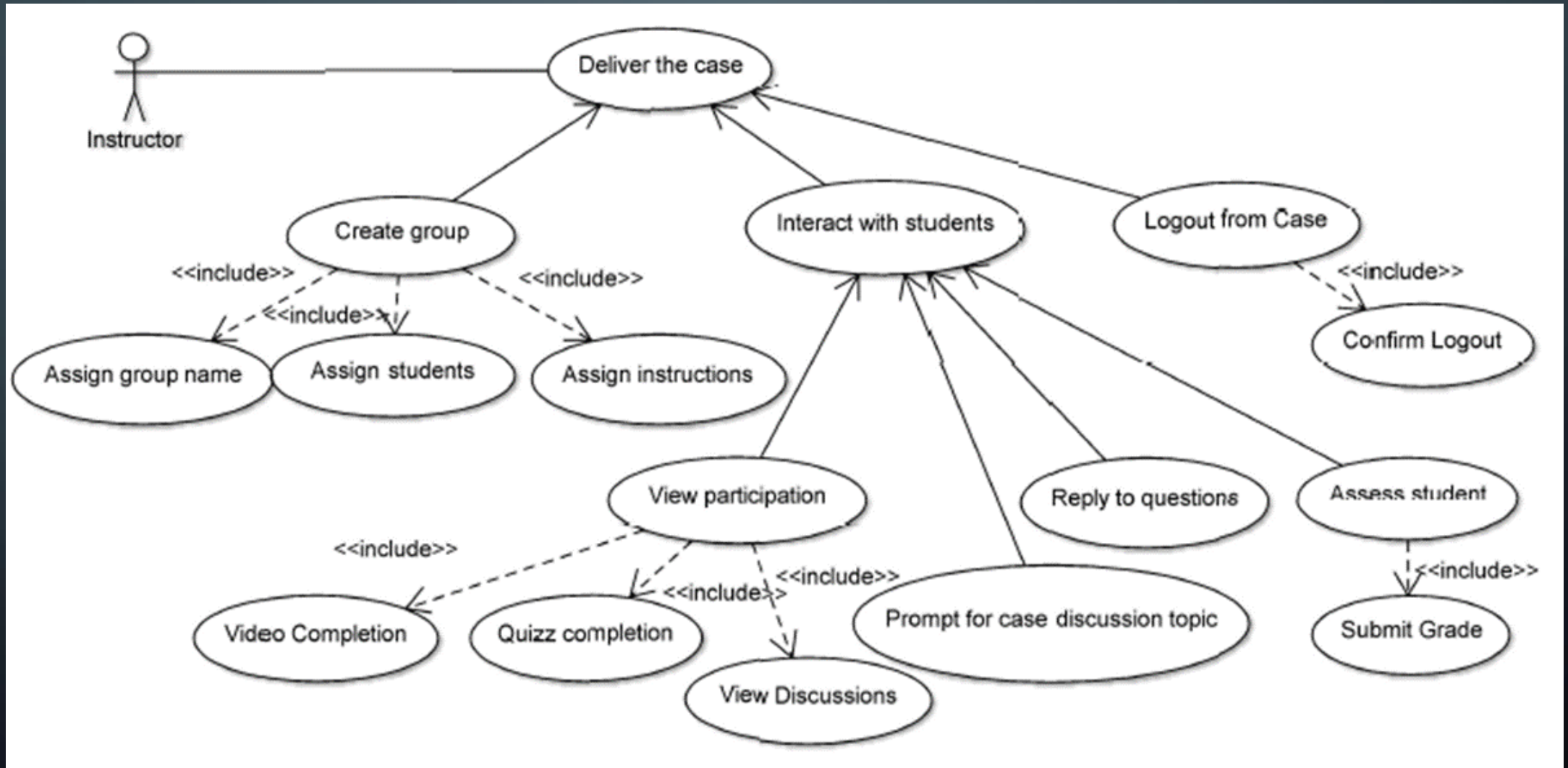
# DEPLOYMENT DIAGRAM



# CASE DEVELOPER USE CASE

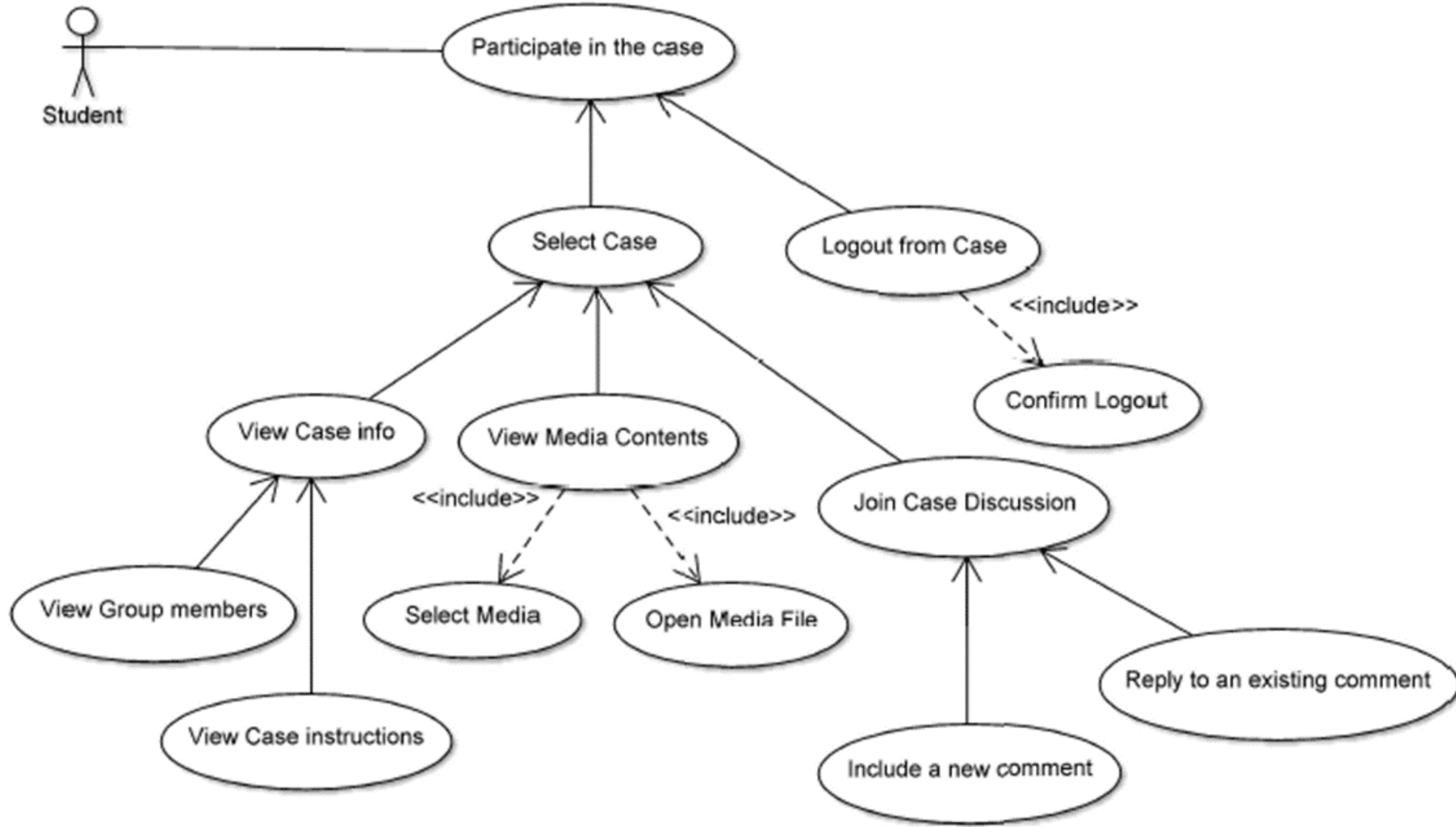


# INSTRUCTOR USE CASE



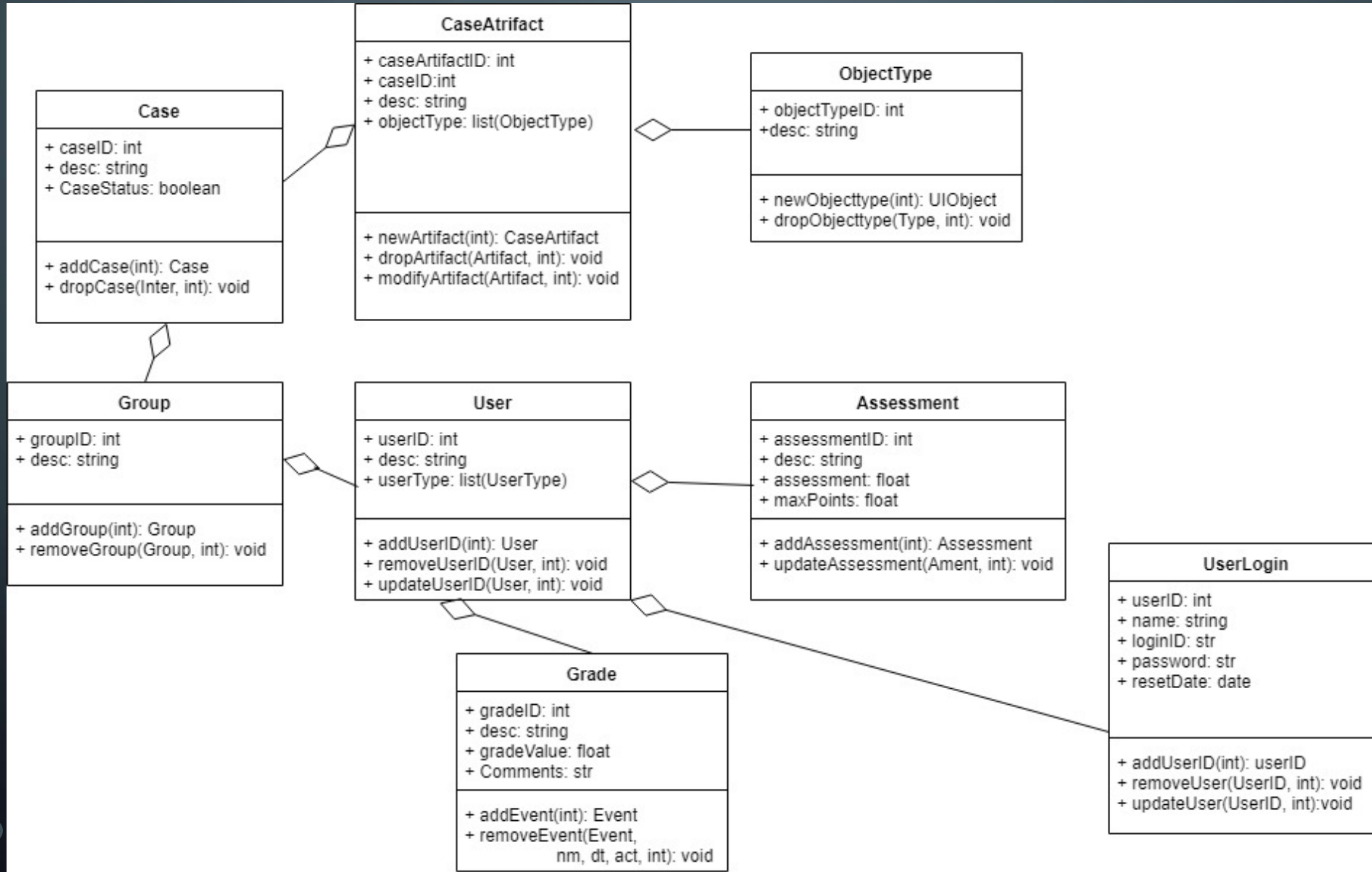


# STUDENT USE CASE

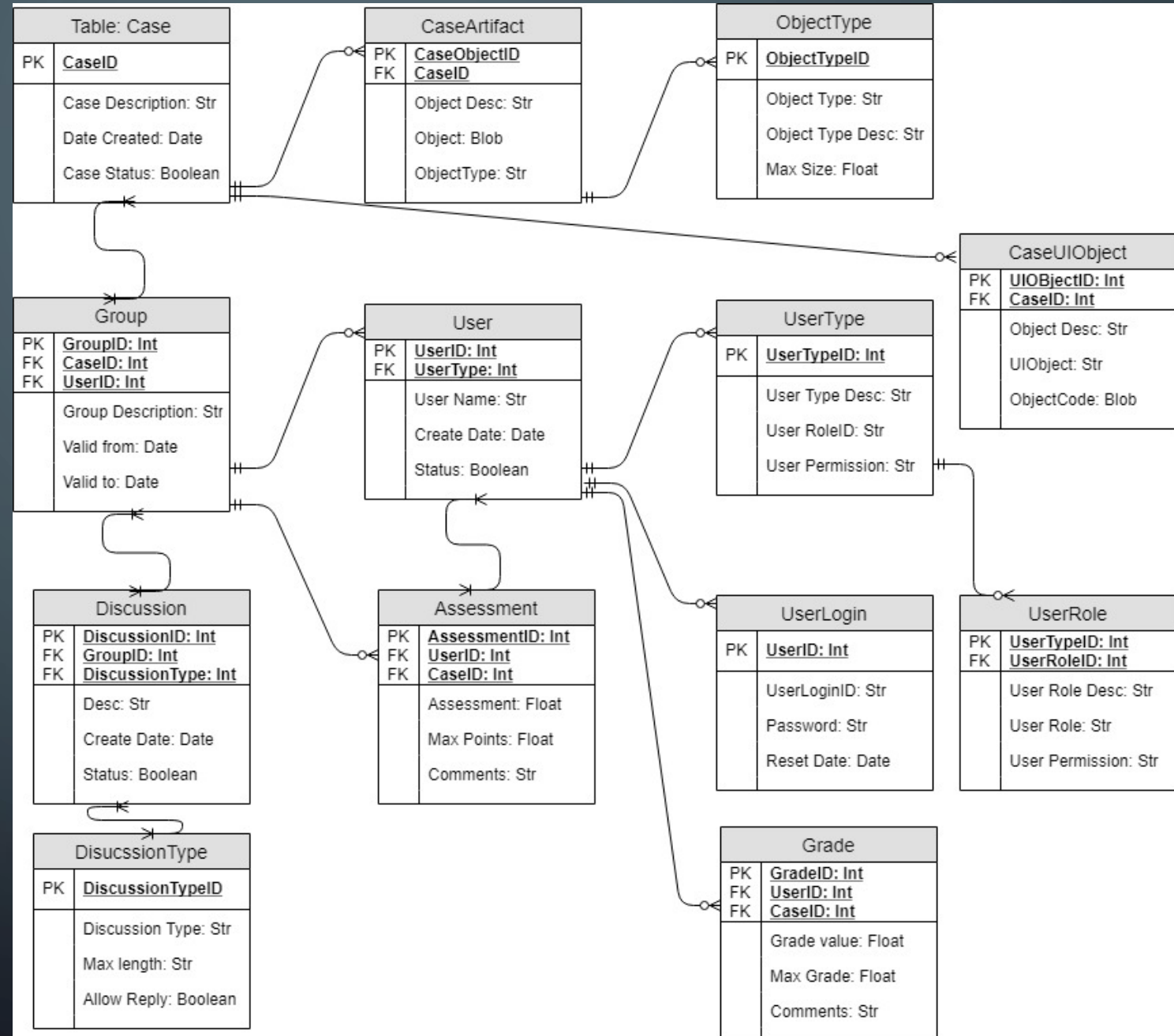




# CLASS DIAGRAMS



# ER DIAGRAM



# CASE DEVELOPER SCREEN MOCKUPS

## Create Case

The mockup shows a web interface for creating a case. At the top is a dark header with the text 'Multimedia Online case study application' on the left, and 'Profile' and 'Log Out' links on the right. Below the header is a sidebar with three menu items: 'Create Case' (highlighted in blue), 'Edit Case', and 'Delete Case'. The main content area contains three form fields, each with a radio button to its left: 'Case Name', 'Case Description', and 'Files'. To the right of the 'Files' field is an empty rectangular box and a blue button labeled 'Attach'.

Multimedia Online case study application		Profile	Log Out
Create Case	<input type="radio"/> Case Name		
Edit Case	<input type="radio"/> Case Description		
Delete Case	<input type="radio"/> Files	<input type="text"/>	<button>Attach</button>

Allow case developers to create new cases by entering the new case name and description.

# CASE DEVELOPER SCREEN MOCKUPS

## Edit Case

Multimedia Online case study application

ProfileLog Out

Create Case

Edit Case

Delete Case

Modify case ▾

Case-1

Case-2

☒ Case-1

☒ Case Description

Attachments ▾

Attachment-1

Attachment-2

Add Or Modify

Submit

# CASE DEVELOPER SCREEN MOCKUPS

- Delete Case

The mockup shows a web interface for a 'Multimedia Online case study application'. At the top, a dark header contains the application name and links for 'Profile' and 'Log Out'. On the left, a sidebar menu has three options: 'Create Case', 'Edit Case', and 'Delete Case', with 'Delete Case' highlighted in blue. The main content area features a 'Cases' dropdown menu with 'Case-1' and 'Case-2' listed. To the right of this menu are two radio button inputs; the first is selected and labeled 'Case-1', and the second is labeled 'Case Description'. Below the 'Cases' menu is a blue 'Delete case' button. At the bottom center of the main area is a blue 'Submit' button.

Multimedia Online case study application

Profile Log Out

Create Case

Edit Case

Delete Case

Cases ▼

Case-1

Case-2

☒ Case-1

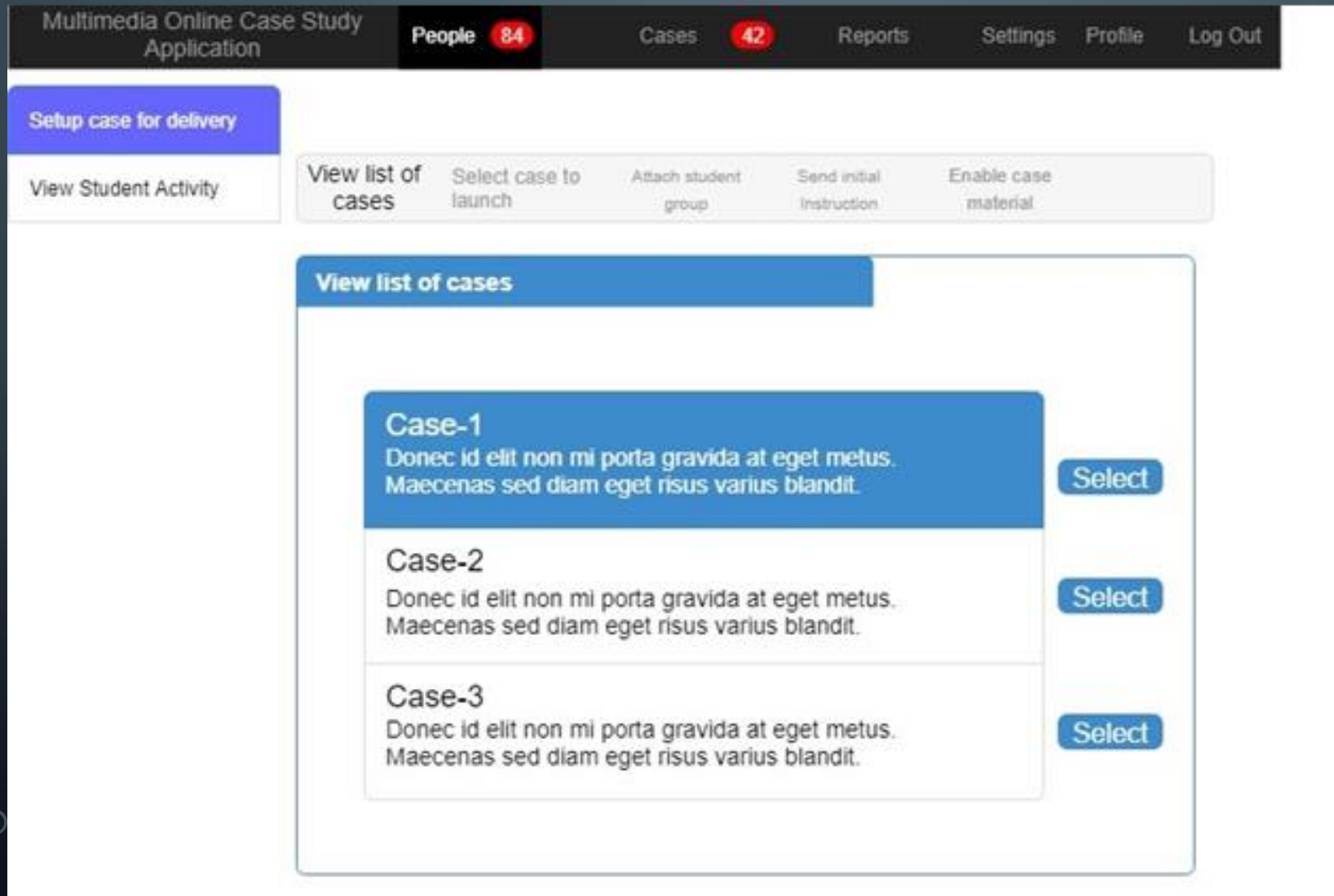
☐ Case Description

Delete case

Submit

# INSTRUCTOR SCREEN MOCKUPS

## Instructor Set-up Case for delivery



# INSTRUCTOR SCREEN MOCKUPS

- Instructor View for Student activity

Multimedia Online Case Study Application

People 84

Cases 42

Reports

Settings

Profile

Log Out

Setup case for delivery

View Student Activity

Create group

View students

View student participation

Reply to questions

View student dashboard

Assess students

View list of students and drag and drop

Student names

Some default panel content here. ornare sem lacinia quam venenatis vestibulum. Nullam id dolor id nibh ultricies vehicula.

Cras justo odio

Dapibus ac facilisis in

Morbi leo risus

Porta ac consectetur ac

Vestibulum at eros

Group names

Some default panel content here. ornare sem lacinia quam venenatis vestibulum. Nullam id dolor id nibh ultricies vehicula.

Cras justo odio

Dapibus ac facilisis in

Morbi leo risus

Porta ac consectetur ac

Vestibulum at eros



# STUDENTS SCREEN MOCKUPS

## Join a Case – View

Multimedia Online  
Case study Application

People 84

Cases 42

Reports

Settings

Profile

Log Out

Join a Case

Participate in a Case

View members

View grades

Join Discussion

Discussion with  
Instructor

Discussion with  
Group members

#	First Name	Last Name
1	John	Daniel
2	Mary	Brown
3	James	Mooray

# STUDENT SCREEN MOCKUPS

## Participate in a case

Multimedia Online Case Study Application

People 84

Cases 42

Reports

Settings

Profile

Log Out

Join a Case

Participate In a Case

64x64

Case Description

Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin commodo. Cras purus odio, vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue felis in faucibus.

64x64

Reply

Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin commodo. Cras purus odio, vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue felis in faucibus.

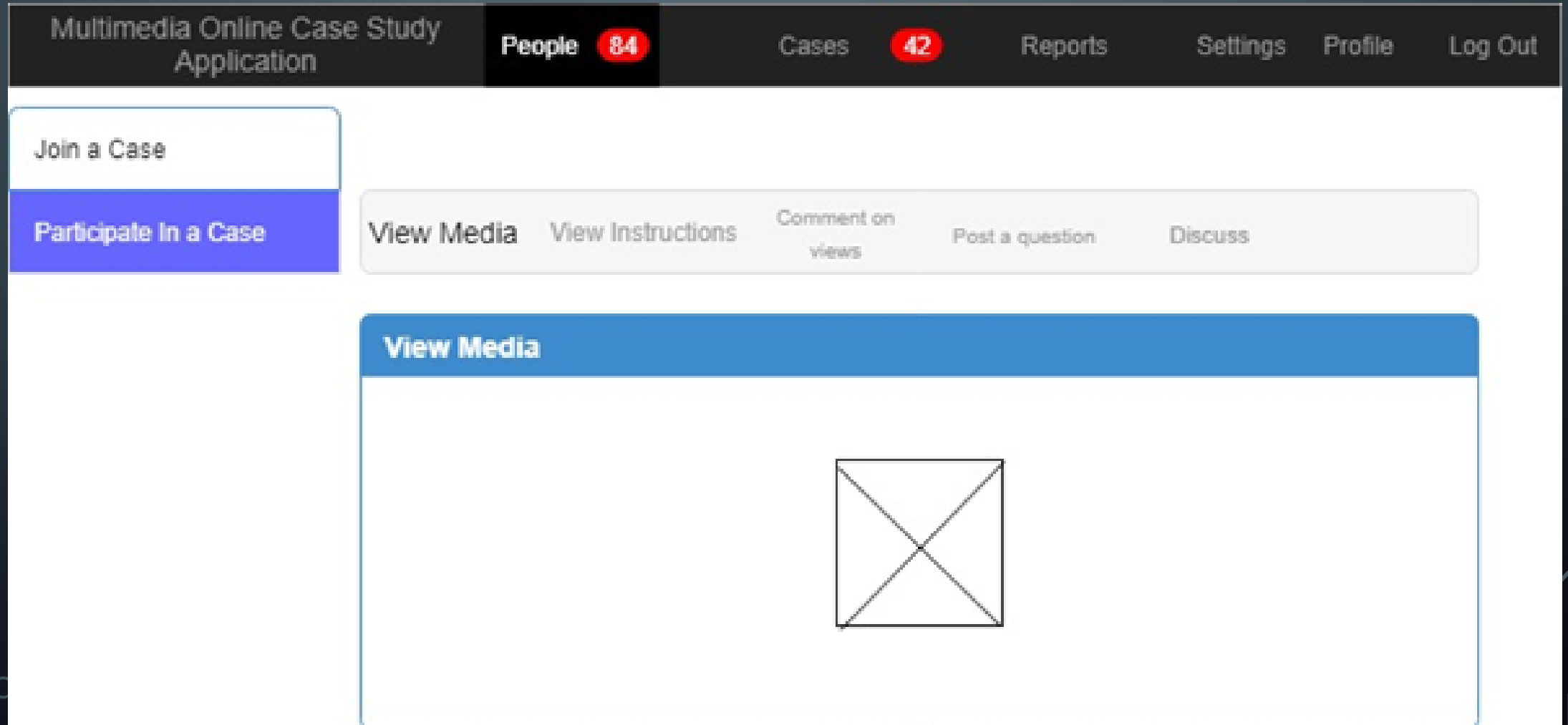
64x64

Reply

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# STUDENT SCREEN MOCKUPS

Participate in a case – view additional details



# ROADMAP

## Multimedia Case Study application - Roadmap

Year 1				Year 2				Year 3			
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
Initial Cloud IaaS readiness		Instructor MVP Interface (dev & test)	Student MVP Interface (dev & test)	Re-evaluate Cloud IaaS readiness to support new features	Instructor next set of features (dev & Test)	Student next set of features (dev & test)		Case developer final set of features (dev & Test)	Instructor final set of features (dev & Test)	Student final set of features (dev & Test)	
Use Case Developer MVP Interface (dev & test)				Use Case Developer next set of features (dev & test)				Re-evaluate cloud IaaS readiness to support final set of features			
				Upgrade Cloud IaaS to support new app features				Upgrade Cloud IaaS to support final set of features			

# RELEASE PLAN

## Release Plan

Sprint 1	Sprint 2	Sprint 3
Story A 8 points	Story C 13 points	Story H 13 points
Story B 13 points	Story E 8 points	Story J 8 points
Story D 5 points	Story I 5 points	Story N 3 points
Story F 2 points	Story L 2 points	Story K 5 points
Story G 2 points	Story M 1 point	Story O 1 points

- Estimated starting team velocity per Sprint = 30 user story points
- Release after every 3 sprints
- 90 user story points per release