

Submission of Lab Exercise for Week 12

Detailed Design Definition

BITP 2223 Software Requirement and Design

Project Name: eCourseFile

Group No: 00

List of Group Member:

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Graphical User Interface Design

There are screens three (3) that represents the graphical user interface (GUI) design for Use Case Upload Course File Material. The GUI is web page that utilized web GUI component and behavior.

Main Page

The main page is a web page that provides a link to display Upload Course File Materials page. The page design is shown in Figure 1.

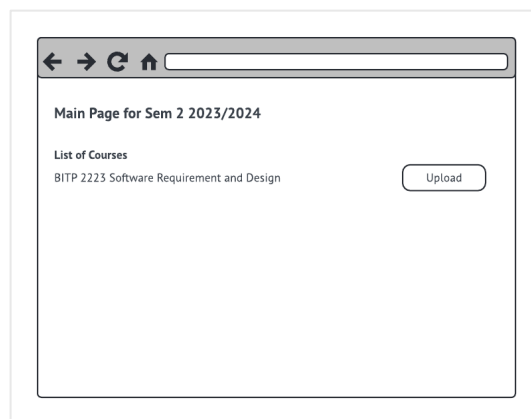


Figure 1: Main page

Upload Course File Materials Page

Upload Course File Materials Page is a web page that displays a list of course material types. The page provide link to for each type of the material. The page design is shown in Figure 2.

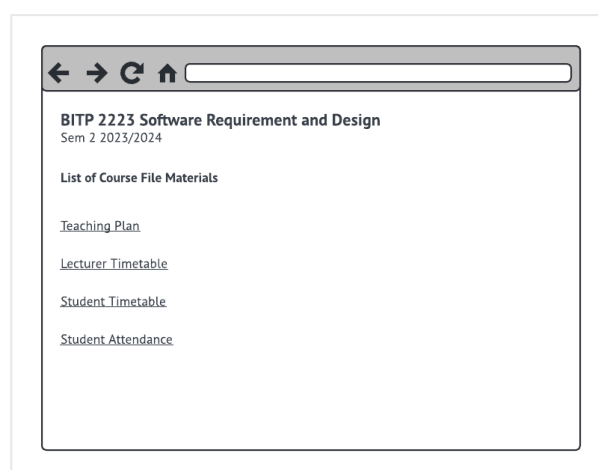
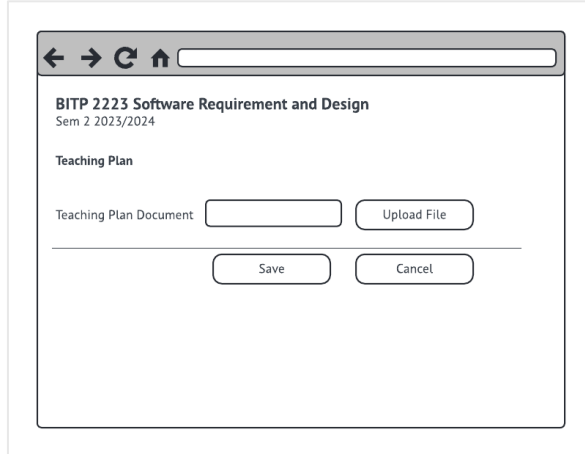


Figure 2: Upload Course File Materials Page

Upload Course File Material Page

Upload Course File Material Page is a web page that displays the selected course file type. The page allows the peer lecturer to upload file(s) that represent the course file material. The page design is shown in Figure 3.



The screenshot shows a web browser window with a navigation bar at the top containing back, forward, refresh, and home icons, followed by an address bar. The main content area displays the course title "BITP 2223 Software Requirement and Design" and the semester "Sem 2 2023/2024". Below this, the section "Teaching Plan" is visible. Under "Teaching Plan", there is a label "Teaching Plan Document" followed by a text input field and an "Upload File" button. At the bottom of the form, there are two buttons: "Save" and "Cancel".

Figure 3: Upload Course File Material Page

Class Design

There is one (1) controller class design for Use Case Upload Course File Material.

CourseFileController

CourseFileController is a controller class that processes the data object from Upload Course File Material page. The design of the class is shown in Figure 4

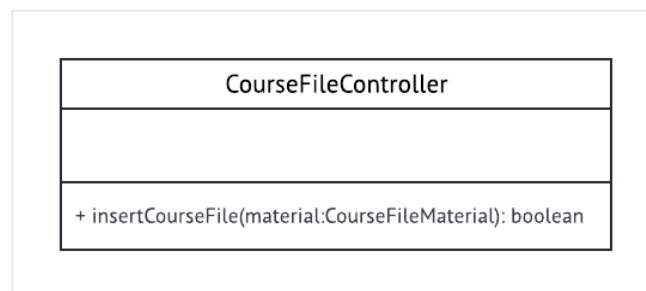


Figure 4: Class CourseFileController in UML notation

Data Design

The data managed by in eCourseFile is wrap in entity class. There is one entity design for Use Case Upload Course File Material.

CourseFileMaterial

CourseFileMaterial an entity class that represents the data structure of the uploaded course file material include the details of the file. The design of the class is shown in Figure 5

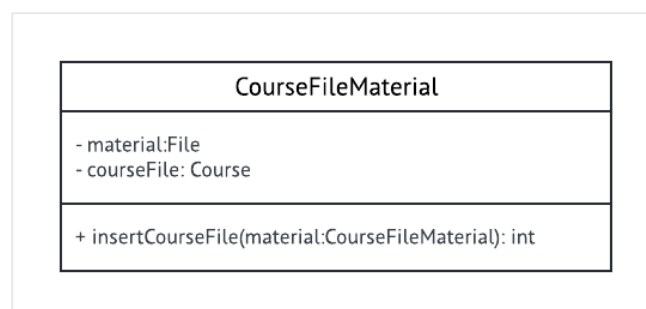
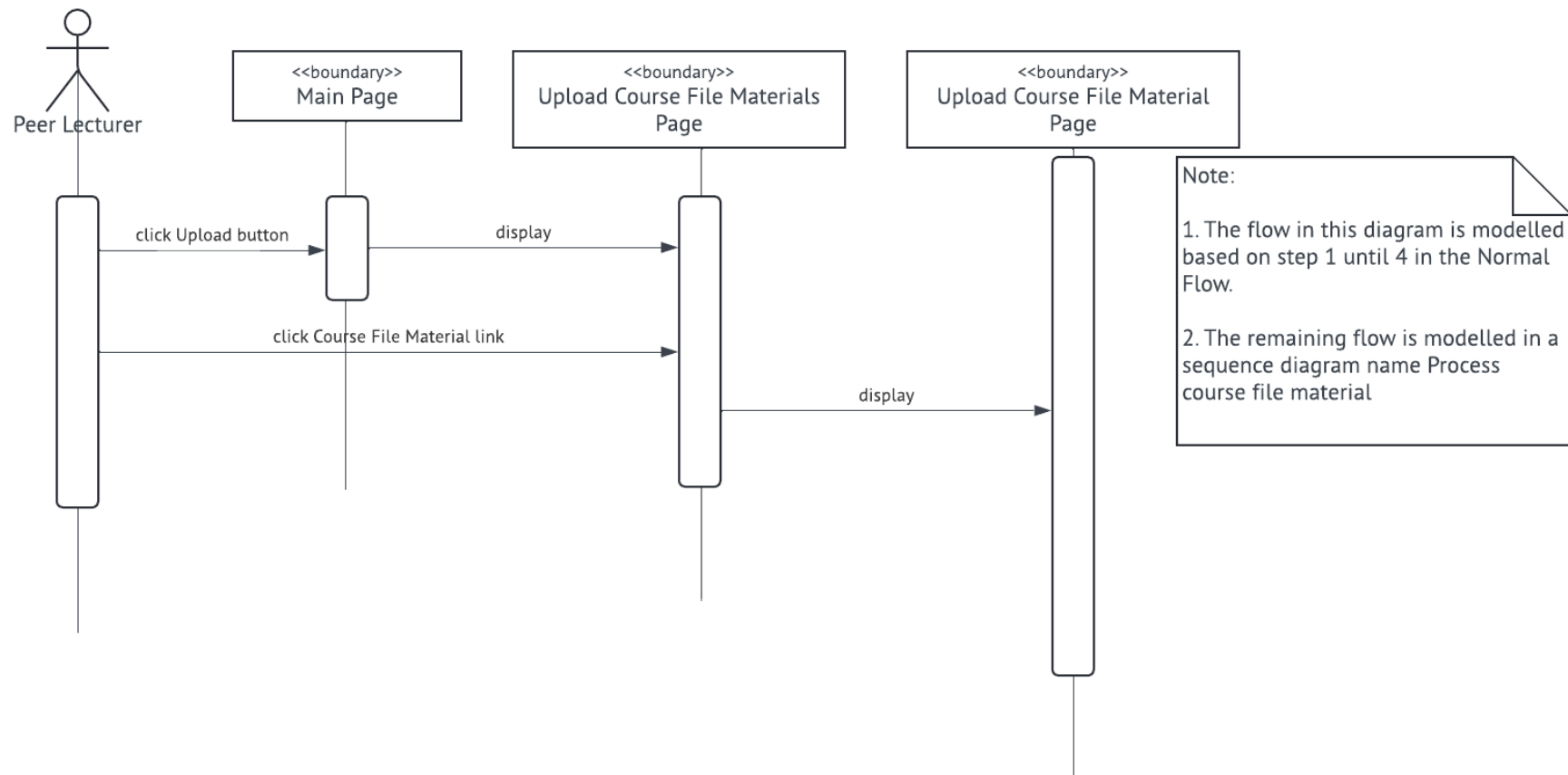


Figure 5: CourseFileMaterial

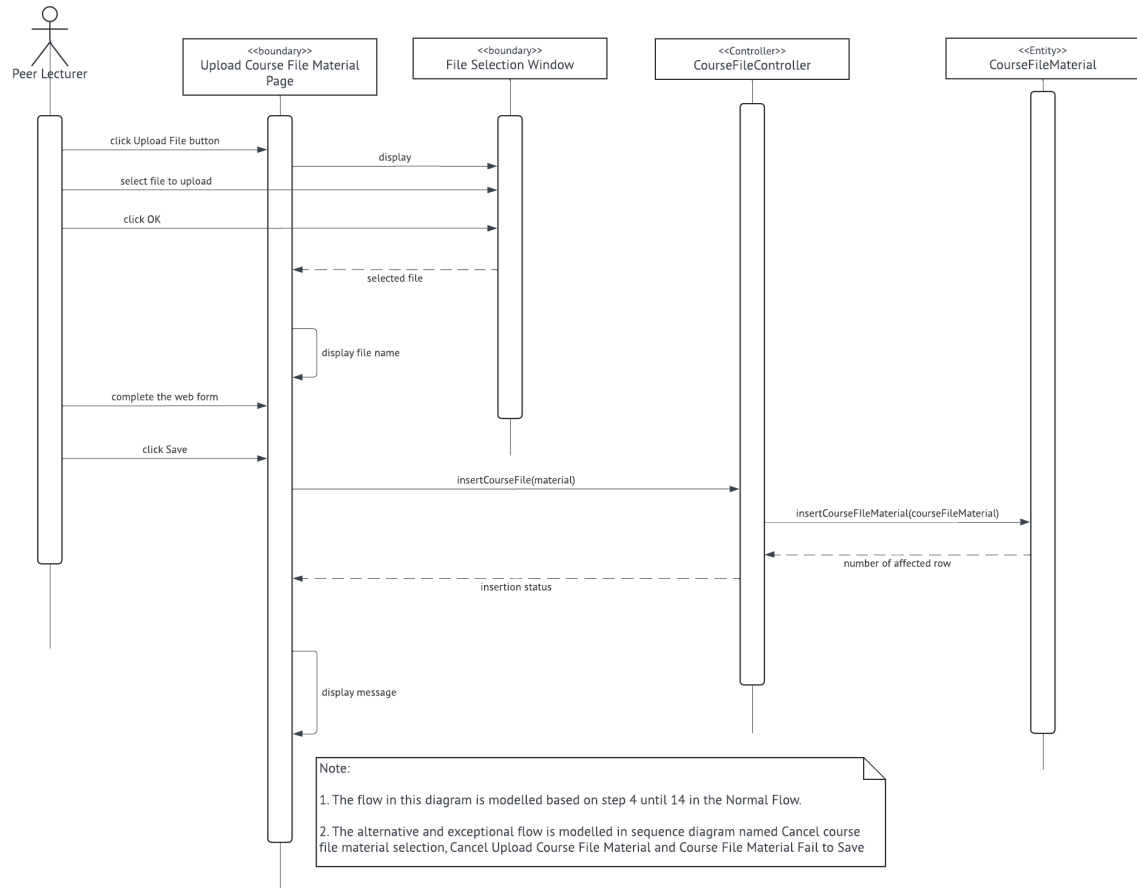
Appendix 1: Sequence Diagram for Use Case Upload Course File Material

Use Case: Upload Course Material

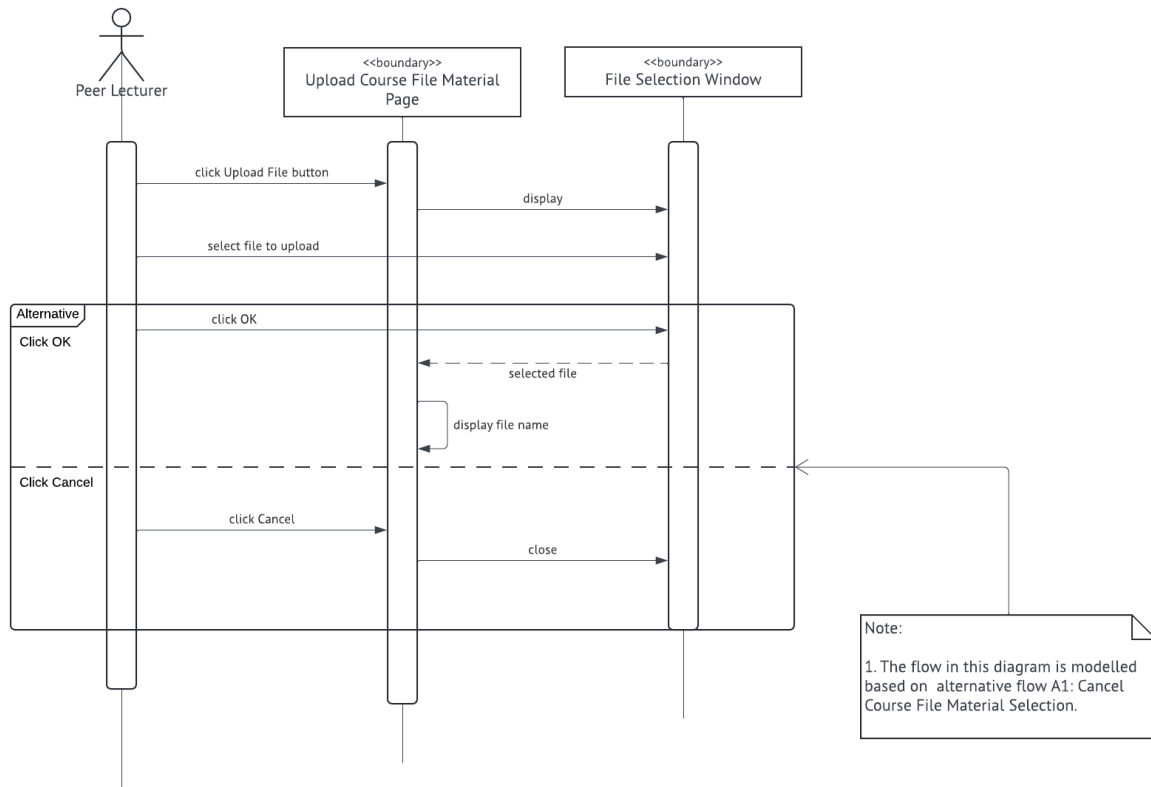
Sequence Diagram Name: Display web form to upload course file material.



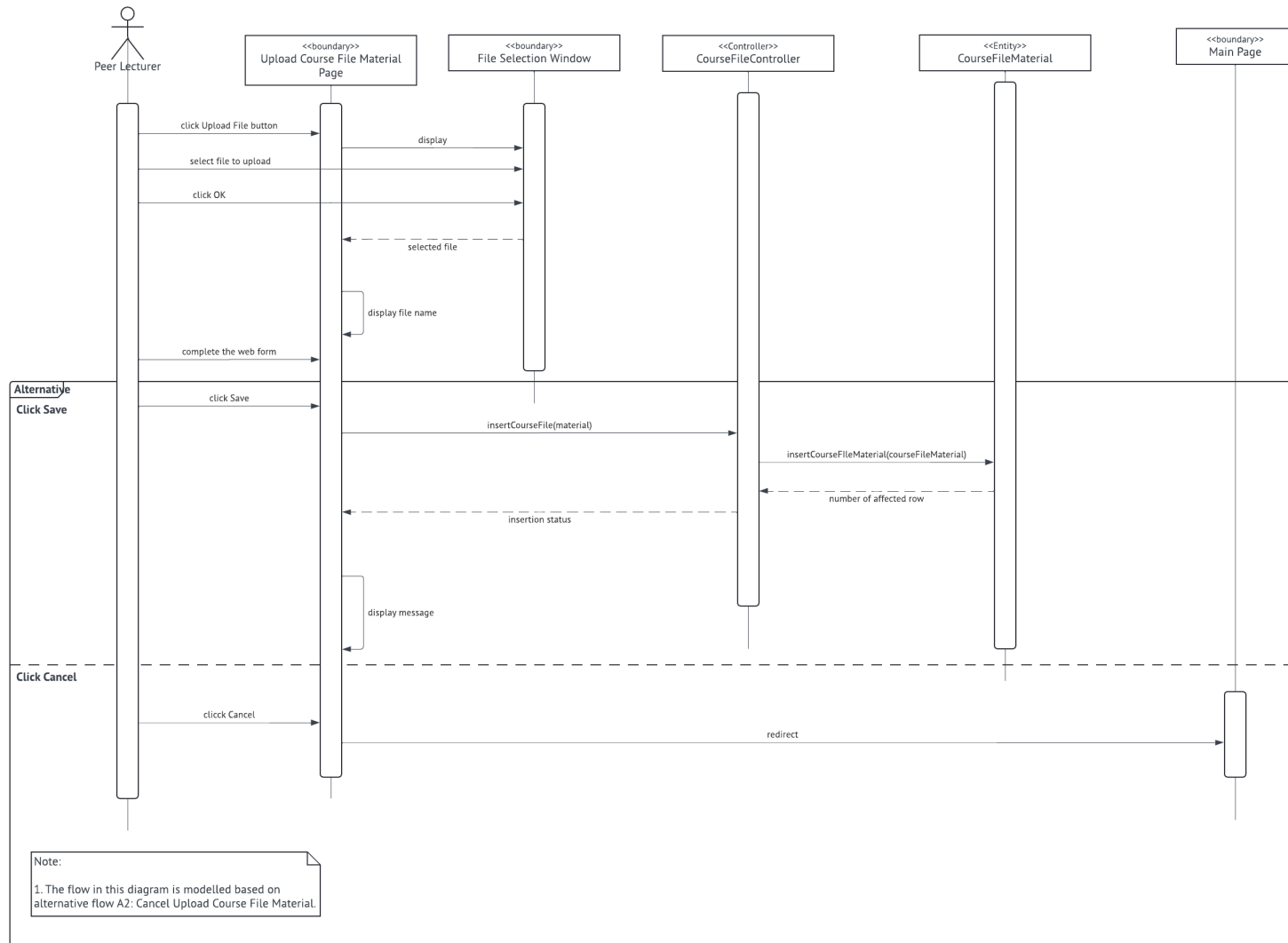
Use Case: Upload Course Material
Sequence Diagram Name: Process course file material



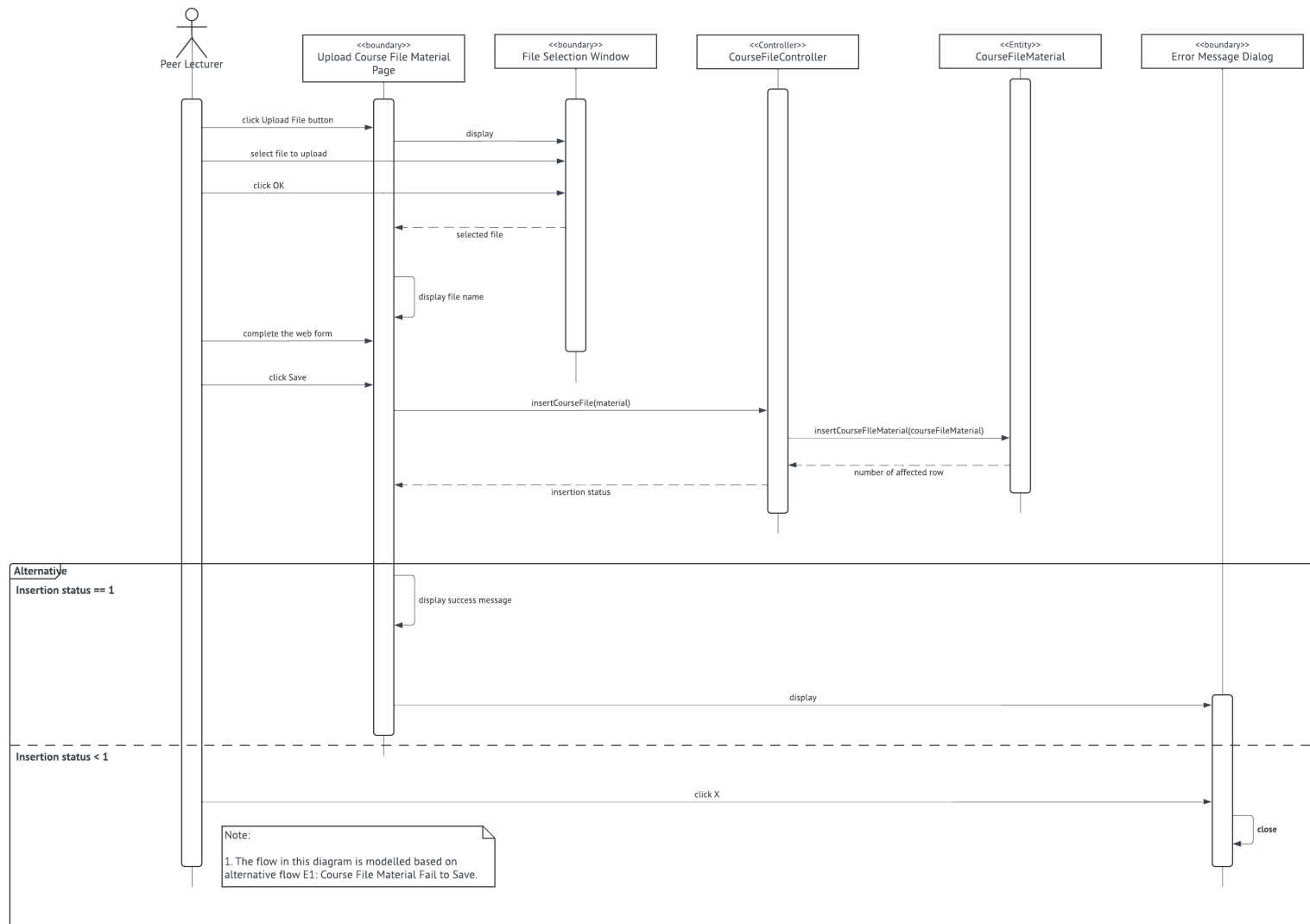
Use Case: Upload Course Material
Sequence Diagram Name: Cancel course file material selection



Use Case: Upload Course Material
Sequence Diagram Name: Cancel Upload Course File Material



Use Case: Upload Course Material
Sequence Diagram Name: Course File Material Fail to Save



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