Lab Specifications

*****Be aware that using the output from AI models without appropriate acknowledgement may constitute academic misconduct.*

Task 1- Content Provider and Resolver

Add the following features to the Books Library application you developed in the previous week:

1. The app should export its database to other applications by implementing the content provider class.

2. The content provider authority should be "fit2081.app.YOUR_FIRST_NAME".

*For reference, see TasksDB-Content Provider app in Week 8 Supplementary Material.

To test your work, develop another application, "BookLib2: Content Resolver", that should do the following:

1. Insert a new Book with predefined random values.

2. Retrieve the current number of books in the database and display it in a text view.

Note: don't forget to change the authority in BookLib2: Content Resolver App.

* For reference, see TasksDB-Content Resolver app in Week 8 Supplementary Material

Task 2 - Save Books in the Cloud

The current implementation saves all the Books persistently in a local database. There is a need to push every new Book to the cloud.

- Each time a new Book is added to the local database, the app must push that Book to the Google Firebase database.

- If the Navigation menu option "Remove All Books" is selected, all Books in the Google Firebase database must also be removed.

* For reference, see Chat or Weather apps in Week 8 Supplementary Material.

Expected Output

is not 100% accurate. Accuracy may be affected by audio quality, topic under discussion and clarity of the speakers. Staff are not expected or required to edit or correct automatically-generated captions.

It is best to not rely solely on captions when viewing video content and to use them alongside other learning resources. Students who are registered with Disability Support Services should be in contact with them to discuss captioning if needed.

Marking Rubric

	Unsatisfactory	Poor	OK	Outstanding
Task 1	No code is provided and/or unable to answer all the interview questions *0points*	There is an attempt to code the task but could not finish it *1points*	The task is almost completed but not functioning well *2points*	The Implementation is perfect and able to answer all the questions correctly. *3points*
Task 2	No code is provided and/or unable to answer all the interview questions *0points*	There is an attempt to code the task but could not finish it *1points*	The task is almost completed but not functioning well *2points*	The Implementation is perfect and able to answer all the questions correctly. *3points*
Extra Task	No code is provided and/or unable to answer all the interview questions *0points*	There is an attempt to code the task but could not finish it *1points*	The task is almost completed but not functioning well *2points*	The Implementation is perfect and able to answer all the questions correctly. *3points*
Interview	Unable to answer all questions *0points*	There is a correct answer to one question and/or with no confidence *1points*	Answer most of the questions with little confidence *3points*	All questions answered correctly with confidence and ease. *4points*

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