

Final Assessment
Daffodil International University
Course: Wireless Programming
Course code: CSE 334

Education plays the most important role in the development of nations. Among all the basic rights, education is one of the most important. In this modern era, when technology and communication are developing rapidly, it is high time to ensure that education reaches everyone's doorstep. There is a saying knowledge increase by sharing but not by saving. And to share knowledge book is the best thing to share. But sharing a book is not always convenient as well as user-friendly. In considering those problems, you have to build an android application that is using for sharing the books in a more user friendly way. More specifically to share and rent books and a platform to discuss about different types of books. The main aim of these applications is to reduce the problem of sharing books and also to create a community of book readers. It will work like a platform for anyone who has a book and is not using it right now and would like to share the books with someone who currently needs it. In this developing country buying books is very much costly. So, it is better to share or sell the used book to someone who may need it. It mainly focuses on the customer-to-the-customer business model and creates a nice platform for both the users and providers. Some key features are a unique login system, share, sell, payment system, location, chat, etc. If any user needs any emergency books, the system will provide the nearest providers with book details. User can find his/her needed books and can directly communicate with providers via phone or online communication.

You must use your name as an **id** of each view. For example, if your name is "Karim" then the id of view as follows **btnkarim1**, **btnkarim2...**, **edtkarim1**, **edtkarim2....**, etc. Based on the above scenario answer the following question.

Problem-1

- a) Draw the user interface and write down the xml code for the home user interface.
[Marks:7]
- b) Is there needed any user permission? If needed, then provide the required permission with reason
[Marks:3]

Problem -2

- a) Is there needed any Fragment classes for your application? Write down the relationship between Fragment and Activity. [**Marks:5**]
- b) Write the application development life cycle[**Marks:5**]

Problem -3

- a) Is there needed any database for developing the application? If needed, then mention the required database that you will use in your application with reason and Describe the step by step procedure for your database connection. [**Marks:10**]
- b) Write down the java code of the **main** user interface. Describe the java code with necessary comments. [**Marks:10**]