Laboratory work 6. Working with Databases: Create/Read/Update/Delete (for 2 weeks)

Student name _____

AIM
The purpose of this laboratory work is to create a CRUD system in Django.

Your main tasks are to create, update and delete data from database in Django.
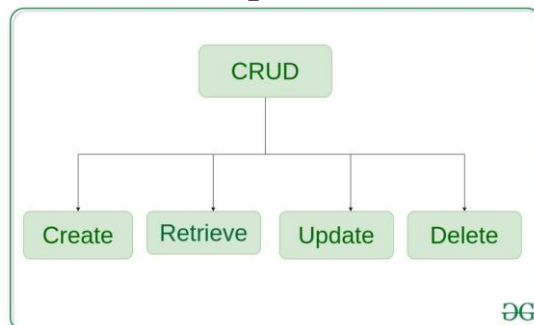
ACTIVITIES
Perform each of the following activities. If you have questions, issues, or doubts, please ask from your teacher.
!Note – Provide your solution after each item.

I. Complete following tasks

Part-1:

Main tasks (90 points):

- Adding data via the admin panel is not convenient. Create a separate page on which you should create a form. Through the form, you should be able to add data to the database.
- Functionality to update and delete data from db. To implement the update, use the UpdateView class, and to delete it, use DeleteView.

Prepare report using in .docx document. Your report should include full description of the templates, answer to the questions provided above, archive program codes and upload them to the dl.iitu.kz.

Common structure of the report:

1. *Title page*
2. *Content*
3. *Introduction*

4. *Main part (Solutions and descriptions of the laboratory work tasks)*
5. *Conclusion*
6. *References*

II.   Defense of the laboratory work

References:

1. Ахметшин, Д.А. Разработка приложений на языке программирования Python с использованием Фреймворка Django/ Д.А. Ахметшин.- Казань: Школа, 2019.- 116с. (https://kabis.iitu.kz/res/elibrary_41515157_62707955.pdf)

2. Eric Matthes, Python crash course 2d edition: a hands-on, project-based introduction to programming, ISBN-10: 1-59327-928-0, 2019

3. Antonio Melé, Django 3 By Example, Published by Packt Publishing Ltd, Third Edition-2020, ISBN 978-1-83898-195-2 (https://kabis.iitu.kz/res/Django%203.pdf)

4. Dronov V. A., Django 2.1. Praktika sozdaniya veb-saitov na Python. - SPb.: BHV-Peterburg, 2021. - 704 s.: il. -(Professional'noe programmirovanie), ISBN 978-5-9775-6691-9