

B.Sc. (Information Technology)
School of Information Technology, KMUTT
Course Outline 2/2022

INT204 : Server Side II

Room: G1 (Fri) - LX11/3+4, G2 (Tue) – LX11/1+2

Time: Schedule : Tuesday 13.30 – 17.20, Friday 09.00 – 13.00

Lecturers:

1. Pichet Limvajiranan

Contact. Email: pichet@sit.kmutt.ac.th, MS-Teams: Pichet Limvajiranan (pichet.limv@kmutt.ac.th)

Course Learning Outcome

1. Understanding REST principles.
2. Building API endpoints using Spring Boot, such as GET, POST, PUT, and DELETE. Understand how to map API endpoints to specific methods in your code.
3. Implementing CRUD operations: Learn how to implement Create, Read, Update, and Delete (CRUD) operations for your REST API. Understand how to handle data persistence and interact with a database using Spring Data JPA.
4. Understand how to handle query parameters, request headers, and different response status codes.
5. Error handling and exception management.
6. Understand how to secure your REST API by implementing authentication and authorization mechanisms.

Evaluation:

Assignment	20%
Midterm (Practice)	20%
Final (Theory)	30%
Final (Practice)	30%

Course Outline:**Group 2: Tue**

No.	Date	Topic	Evaluation
1	16/01/2024	Introduction to INT204 / JPA Review	
2	23/01/2024	Introduction to RESTful API	
3	30/01/2024	Introduction to Spring Framework	
4	6/02/2024	Spring IoC:Inversionofcontrol (1)	
5	13/02/2024	Spring IoC:Inversionofcontrol (2)	
	20/02/2024		
6	27/02/2024	Spring Data JPA	
7	05/03/2024	DTO Data Transfer Object	
8	12/03/2024	Exception Handling	
9	19/03/2024	File Upload Service	
10	26/03/2024	JWT:JASONWebTokens	
11	28-05/04/2024	Midterm Exam	

Group 1: Fri

No.	Date	Topic	Evaluation
1	19/01/2024	Introduction to INT204 / JPA Review	
2	26/01/2024	Introduction to RESTful API	
3	2/02/2024	Introduction to Spring Framework	
4	9/02/2024	Spring IoC:Inversionofcontrol (1)	
5	16/02/2024	Spring IoC:Inversionofcontrol (2)	
	23/02/2024		
6	01/03/2024	Spring Data JPA	
7	08/03/2024	DTO Data Transfer Object	
8	15/03/2024	Exception Handling	
9	22/03/2024	File Upload Service	
10	29/03/2024	JWT:JASONWebTokens	
11	28-05/04/2024	Midterm Exam	
12	12/04/2024		
:			
:			
19	24/05/2024		
20	31/05/2024	Final Exam	