

SCHOOL OF POLITEKNIK BRUNEI WEEKLY MODULE PLAN

REFERENCE NUMBER: PB/AS/LP/002 VERSION: 1.2 REVISION DATE: 06/10/2018 EFFECTIVE DATE: 1/1/2019

MODULE CODE/NAME	NS4307, Network Programming		TOPIC	Java Pers	Java Persistence API		
SEMESTER	Semester 2, 2021 / 2022		GROUP CODE/INTAKE	DITN12	DITN12 (Intake 11), DITN10R (Intake 9)		
SCHOOL/DEPT	School of ICT		WEEK	Week 12	Week 12 - 10/04 - 16/04		
PEDAGOGICAL APPROACE	H						
☐ Knowledge Building ☐ Discussion	✓ Presentation ✓ Blended Learning	Co-operati	ive/Collaborative Lea	=	Experimental Learnin	✓ Case Studies	
RESOURCES							
Learning management sytem							
LESSON LEARNING OBJECT	TIVES METHOD OF IN	STRUCTION/LE	EARNING ACTIVITI	ES	REFLECTIVE	EVALUATION	
At the end of this lesson, the studen able to:	t should be Session 1:						
1) Apply Java Persistence API	Persistence API - Show how to make POJO to structure data in a - Show what @Entity and @Table annotation do - Show what @Entity and @Table annotation do - Show what is required to implement an - Show how to create table relationships betwee Exercise (15 minutes) - Complete the implementation of Student base 1) id is the primary key 2) name should not be null		atabase. Disamannotation does. an annotation does. arg constructor in POJO. al al al d on the requirements: 4 To Signature American Signature A		Some students were having error when implementing this. Due to following reasons: 1) Created the model class in a different package from the actual application implementation. 2) Forgot to type in the @Entity and @Table annotation. 3) Not connected to the internet, even though it has been always been emphasised that the mysql server database. jailanirahman.com is hosted in Singapore. 4) Did not install the Spring jpa and mysql connector due to absent from previous session. 5) Common basic Java mistakes. Reasons #3 and #5 are very concerning, since they are in semester 4 already where they still don't have good grasp of the basics that they have learned previously.		
At the end of this lesson, the studen	t should be Session 2:						
able to: 1) Apply Java Persistence API	Practical (1 hour 30 minutes): - The following are impleme - Show how to implement th - Show how to use DAO in c - Show how to retrieve all en - Show how to retrieve one e - Show how to implement ou - Show how to add data to da - Show how remove data fro - Show how remove data fro - Show how compate data fro - Show how compate data fro - Show how compate data fro - Show how to might detain the - Exercise (30 minutes): - Complete the CRUD imples	ntations for Studen e interface in to han ontroller titities using DAO ntity using DAO ar own method in D atabase m database rom database	odle POJO			spent 30 minutes rectifying the rise. But due to this, did not	
At the end of this lesson, the studen able to:	t should be Session 3:						
NAME & SIGNATURE	101.00						
Jailani Abdul Rahm DATE:	/ / /	hriah	OS (aHOS)/ HEAD O	F SCHOOL	(1103)*		
	IME LEADER/ ASSISTANT HOS	, , ,	,				
i Keen iin voiii	r aood work ca Y	ou able	to identify	the is	ssues and so	nive it well	