Study Schedule

5TSD Semester 1, 2019

Content Overview

Session	Week Beginning	Topics	Competency
1.	11/02/2019	Introduction to the subject Identify software management tools Identify client production environment Features of the selected tools Introduce open source project organization structure Introduce version control software – Using Git Bash commands Create local repository, stage files to change and commit changes	**ICTPRG502** 1.1, 1.2, 1.3, 1.4, 2.2 **ICTPRG504** 1.1, 1.2 **(The delivery is holistic)**
2.	18/02/2019	Introduction to configuration management software Gantt chart – Project schedule Open source project hosting (GitHub) Ignore files in Git Clone Git remote repository Use TortoiseGit client tool Checkout for development Develop code to specification Commit project to repository	ICTPRG502 1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 3.2 ICTPRG504 1.1, 1.2
3.	25/02/2019	Branch Naming convention in Git (Master, Branch, Release) Use tags folder for product release Set up development branches Commit changes to the branches Use revision graph / diff Handle binary files	ICTPRG502 1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 3.1, 3.2
4.	04/03/2019	Discuss merging algorithm Merge branches (no conflict) Developer experimental code Binary libraries Locking / unlocking files in practice Create software patches	ICTPRG502 1.1, 1.2, 1.3, 1.4, 2.2, 2.3, 3.1, 3.2
5.	11/03/2019 (Public holiday – make up class during the week)	More on merging Handle merges (with conflicts) Introducing Trello Forming the teams Define roles and responsibilities of team members	ICTPRG502 1.1, 1.2, 1.3, 1.4, 2.2, 2.3, 3.1, 3.2, 3.3

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		Set up security according to roles Create multiple development branches Develop codes concurrently	
6.	18/03/2019	Team development – Start Finance Assignment Define project scope, project plan and tasks Assign roles and responsibilities Determine repository project structures Assign permission Create collaboration forums / blogs Team members working on the branches Team member collaborate and resolve issues	ICTPRG502 1.1, 1.2, 1.3,2.1, 2.2, 2.3, 3.2
7.	25/03/2019	Team development – Start Finance Assignment Team member working on the branches Team member collaborate and resolve issues Merge branches Generate product release and software patches Online Quiz	ICTPRG502 1.1, 1.2, 1.3,2.1, 2.2, 2.3, 3.1, 3.2, 3.3
8.	01/04/2019	- Test 1 - Start Finance Assignment due - Team work – Section A ~ C due (Team Work submission link) - Individual work – Section D due (Individual submission link)	
9.	08/04/2019	Describe source control procedures Introduction to Deployment Choose deployment strategies Use ClickOnce deployment method Options includes: Post-installation rollback, install prerequisites, security permissions and installation assemblies on demand Create a custom installer Start Finance Assignment – student demonstration	ICTPRG502 1.2, 2.2 ICTPRG504 1.1,1.2, 1.3, 1.4, 2.1, 2.2, 2.3
	15/04/2019	Term break	
	22/04/2019	Term break	
10.	29/04/2019	Use Windows Installer (.msi) deployment method Choose deployment tools	ICTPRG502 1.2, 2.2

Session	Week Beginning	Topics	Competency
		Setup and Deployment, InstallShield, XML Toolset Options includes: Install shared files, drivers, registry access and binary file patches	ICTPRG504 1.1,1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 3.1, 3.2
11.	06/05/2019	Setup and deploy projects Choose correct project type: InstallShield, setup project, web setup project and CAB project Use deployment, registry and interface editors	ICTPRG502 1.2, 2.2 ICTPRG504 1.1,1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 3.1, 3.2
12.	13/05/2019	Customise the deployment using InstallShield	ICTPRG502 1.2, 2.2 ICTPRG504 1.1,1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 3.1, 3.2
13.	20/05/2019	Strategies for deploying a database Deploying database to a remote hosting environment Use database publishing wizard • Deployment Research exercise due (Individual Work)	ICTPRG502 1.1, 2.2 ICTPRG504 2.1,2.2, 2.3, 4.1, 4.2, 5.1, 5.2, 5.3
14.	27/05/2019	Using Wix to create SQL database for client Create executable JAR files	ICTPRG502 1.1, 2.2 ICTPRG504 2.1,2.2, 2.3, 4.1, 4.2, 5.1, 5.2, 5.3
15.	03/06/2019	• Test 2 • Deployment Assignment due o Team work – Section A ~ C, H, I due (Team Work submission link) o Individual work – Section D ~ G due (Individual submission link)	
16.	10/06/2019 (Public Holiday – make up class during the week)	• Resubmission (if needed)	

Competencies:

- ICTPRG502 Manage a project using software management tools
- ICTPRG504 Deploy an application to a production environment

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Note: Bolding indicates session in which the competency was first delivered.

Refer to Moodle site for Learning Activities for each session: learn.tafesa.edu.au/