Embedded Systems

CS 397

TRIMESTER 3, AY 2021/22

Assignment:
Submission Requirements

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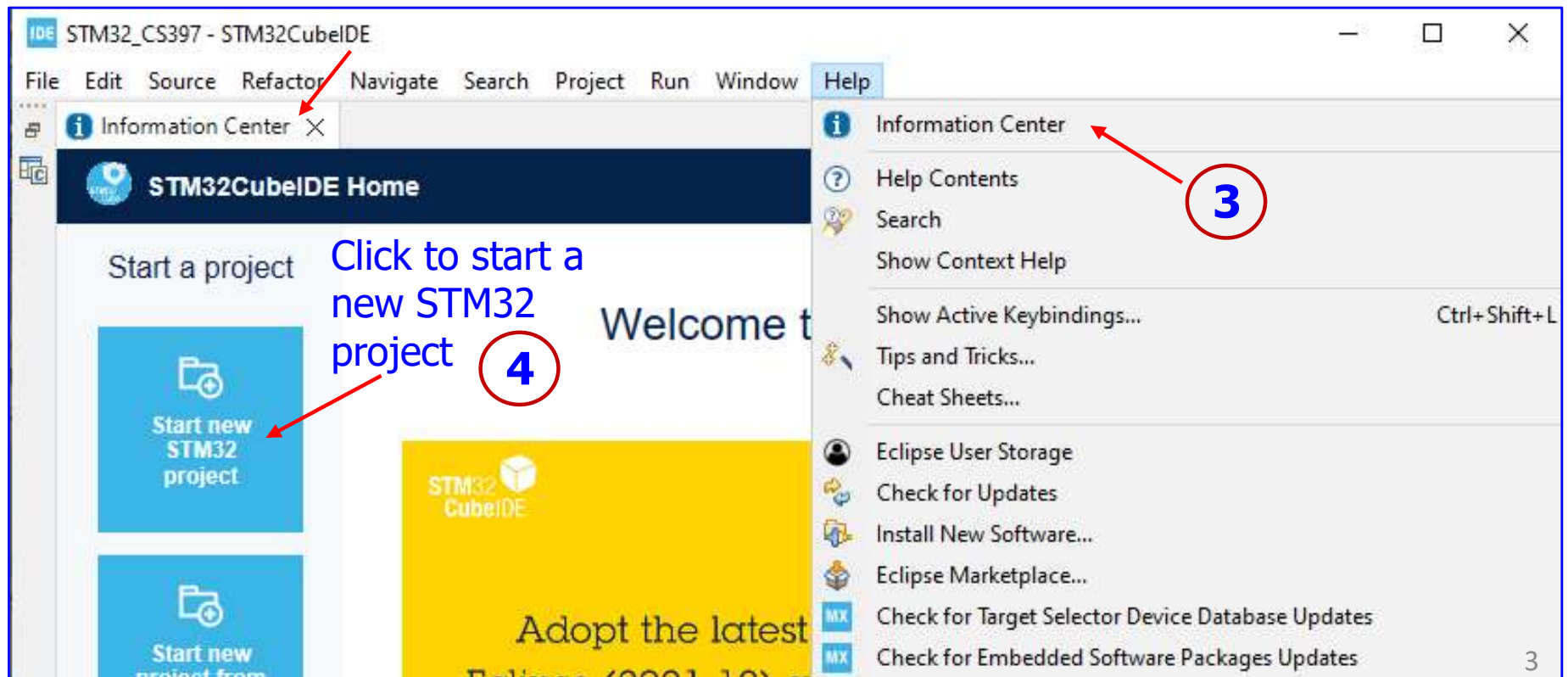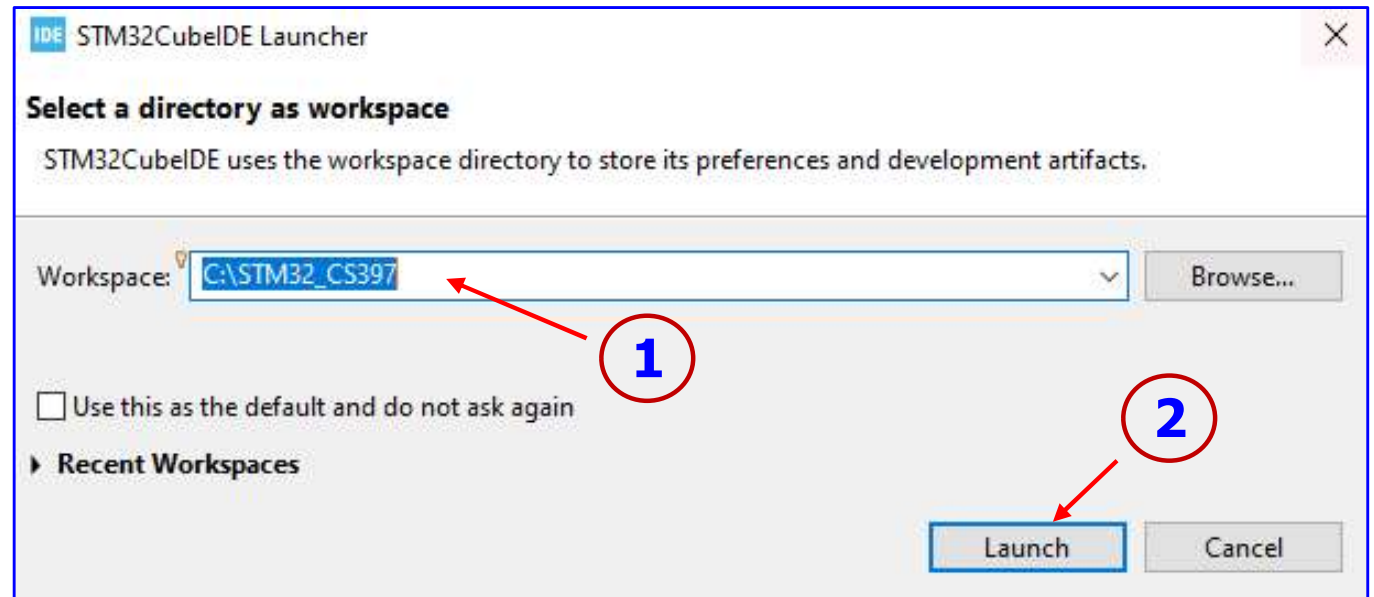HweeChoo.Liaw@DigiPen.edu

Submission of Assignment

An assignment must be submitted according to the following requirements:

- A new **STM32 project** must always be created for an assignment, i.e., copy from the previous project is not allowed.

- The created new **project name** must be "**An_SN_name_ddMmmyyyy**".

  name = Student Name

  n = assignment Number

  SN = Serial Number

  Submission Date

- Example:

  For Assignment 3, SN = A46, student name = Andy Lau, submit on 15 September 2022, the project name will be "**A3_A46_Andy Lau_15Sep2022**".

- Compress and submit the project, **A3_A46_Andy Lau_15Sep2022.zip**, onto **Moodle**.

- The submitted **zip** file must include all **STM32 project folders and files** (except with debug folder deleted), generated **report files (.pdf & .txt)**, and an additional file (**A3_A46_Andy Lau_QAns_15Sep2022.pdf**) that answers the assignment questions if given. Note that submit the **zip** file before the **deadline**
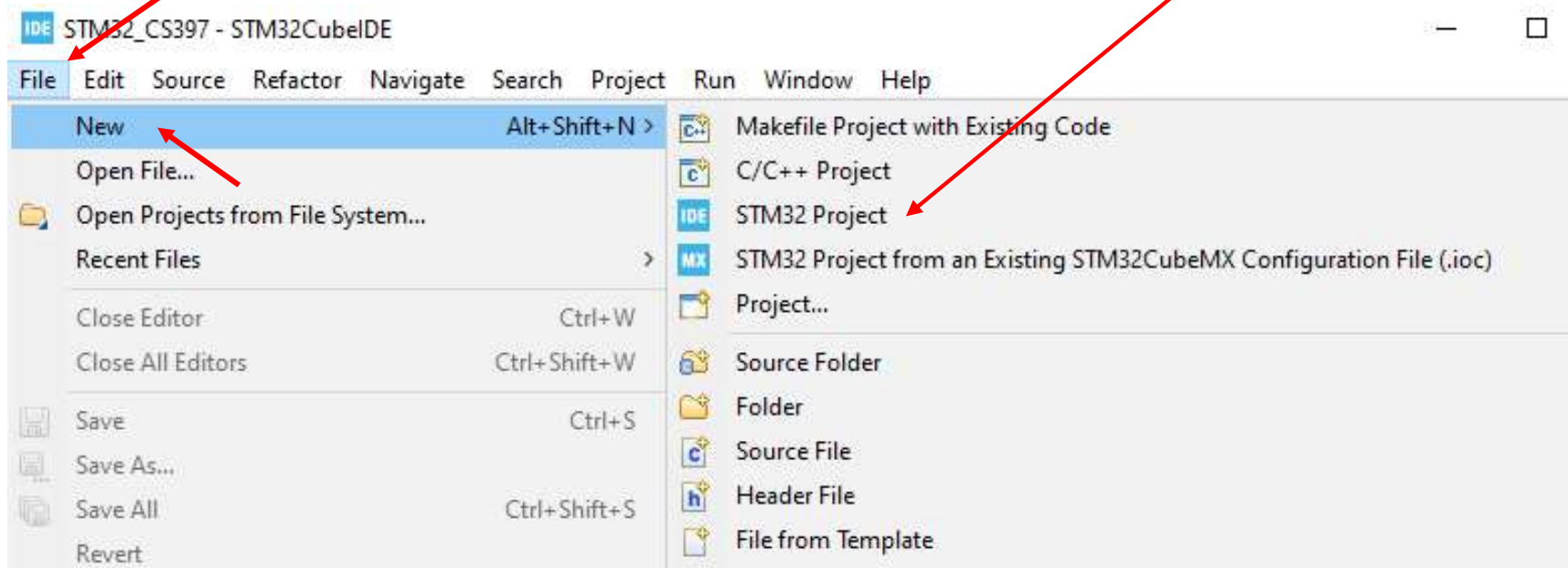
Submission of Assignment

Run STM32CubeIDE

IDE STM32CubeIDE Launcher ✕

Select a directory as workspace

STM32CubeIDE uses the workspace directory to store its preferences and development artifacts.

Workspace: C:\STM32_CS397 ⌄ Browse...

(1)

☐ Use this as the default and do not ask again

▶ **Recent Workspaces**

(2)

Launch   Cancel

IDE STM32_CS397 - STM32CubeIDE   — ☐ ✕

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   **Help**

ⓘ Information Center ✕

STM32CubeIDE Home

Start a project

Click to start a new STM32 project **(4)**

Welcome t

Start new STM32 project

STM32 CubeIDE

Adopt the latest

Start new project from

ⓘ	Information Center
⑦	Help Contents
🔍	Search
	Show Context Help
	Show Active Keybindings... Ctrl+Shift+L
	Tips and Tricks...
	Cheat Sheets...
👤	Eclipse User Storage
	Check for Updates
	Install New Software...
	Eclipse Marketplace...
MX	Check for Target Selector Device Database Updates
MX	Check for Embedded Software Packages Updates

(3)

3

Liaw Hwee Choo, Jul 2022.

Submission of Assignment

Or, Run STM32CubeIDE

Click to start a new STM32 project

Submission of Assignment

Example:

Submission of Assignment

Example: Enter project name: A3_A46_Andy Lau_15Sep2022

Submission of Assignment

Example: Generate reports

Liaw Hwee Choo, Jul 2022.
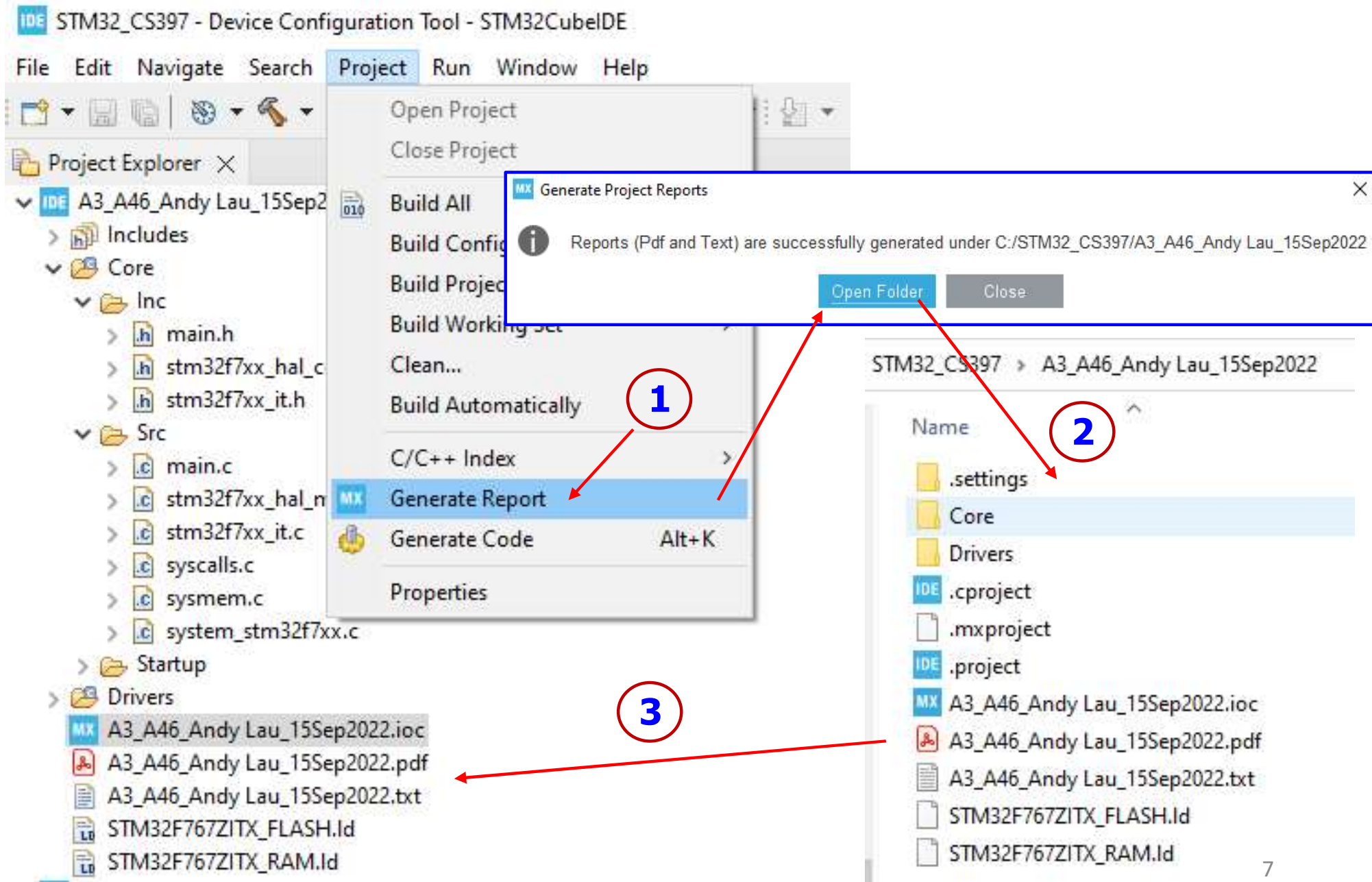
Submission of Assignment

Example: Add the "QAns" file (if available) for assignment questions and delete Debug folder

workspace or work folder

project folder/name

delete Debug folder

Local Disk (C:) > STM32_CS397 > A3_A46_Andy Lau_15Sep2022

Name	Date modified	Type	Size
.settings	24-Jun-22 1:47 PM	File folder	
Core	24-Jun-22 1:47 PM	File folder	
Debug	24-Jun-22 1:59 PM	File folder	
Drivers	24-Jun-22 1:47 PM	File folder	
.cproject	24-Jun-22 1:48 PM	CPROJECT File	26 KB
.mxproject	24-Jun-22 1:48 PM	MXPROJECT File	9 KB
.project	24-Jun-22 1:47 PM	PROJECT File	2 KB
A3_A46_Andy Lau_15Sep2022.ioc	24-Jun-22 1:48 PM	STM32CubeMX	11 KB
A3_A46_Andy Lau_15Sep2022.pdf	24-Jun-22 1:53 PM	Adobe Acrobat D...	399 KB
A3_A46_Andy Lau_15Sep2022.txt	24-Jun-22 1:53 PM	Text Document	5 KB
A3_A46_Andy Lau_QAns_15Sep2022.pdf	24-Jun-22 1:53 PM	Adobe Acrobat D...	399 KB
STM32F767ZITX_FLASH.ld	24-Jun-22 1:48 PM	LD File	5 KB
STM32F767ZITX_RAM.ld	24-Jun-22 1:47 PM	LD File	5 KB

Add the additional file (A3_A46_Andy Lau_QAns_15Sep2022.pdf) that answers the assignment questions.

Submission of Assignment

Example: Create the .zip file

(1) select all folders and files

(2) select **7-Zip**

Local Disk (C:) > STM32_CS397 > A3_A46_Andy Lau_15Sep2022

Name	Date modified	Type	Size
.settings	24-Jun-22 1:47 PM	File folder	
Core	24-Jun-22 1:47 PM	File folder	
Debug		File folder	
Drivers		File folder	
.cproject		CPROJECT File	26 KB
.mxproject			
.project			
A3_A46_Andy Lau_15Sep2022.			
A3_A46_Andy Lau_15Sep2022.			
A3_A46_Andy Lau_15Sep2022.			
A3_A46_Andy Lau_QAns_15Se			
STM32F767ZITX_FLASH.ld			
STM32F767ZITX_RAM.ld			

Context menu:
- **Open**
- Open in new window
- Pin to Quick access
- 7-Zip →
- Norton 360 →
- Send to →
- Cut
- Copy
- Create shortcut
- Delete
- Rename
- Properties

7-Zip submenu:
- Extract files...
- Extract Here
- Extract to "*\"
- Test archive
- Add to archive...
- Compress and email...
- Add to "A3_A46_Andy Lau_15Sep2022.7z"
- Compress to "A3_A46_Andy Lau_15Sep2022.7z" and email
- Add to "A3_A46_Andy Lau_15Sep2022.zip"
- Compress to "A3_A46_Andy Lau_15Sep2022.zip" and email
- CRC SHA →

A3_A46_Andy Lau_15Sep2022.zip

(3) select

A3_A46_Andy Lau_15Sep2022.txt	24-Jun-22 1:53 PM	Text Document	5 KB
A3_A46_Andy Lau_15Sep2022.zip	24-Jun-22 2:09 PM	Compressed (zipp...	12,024 KB

(4) submit the .zip file onto Moodle to complete the submission. - End -