

ECE 448/528 – Application Software Design

HOMEWORK #4

Due date: Tuesday, April 29th, 2025, 11:59 PM

Note: if any of your answers include any AI tool-generated answers (such as ChatGPT) will be considered as ZERO for this homework submission. I strongly recommend writing your answers in your own words.

1. Why should we use TLS 1.1 or above but avoid SSL 1.0, 2.0, 3.0, and TLS 1.0? **(5 points)**
2. Illinois Tech Wi-Fi system utilizes WPA2-Enterprise and 802.1x for authentication (by utilizing your Illinois Tech email address and password). Describe these authentication methods. **(5 points)**
3. In this course, in order to access the Endeavour git repository, you need to execute [setup_ece448528_endeavour](#) script before git. Explain this script, and describe how this script enables you to git without password authentication every time. **(5 points)**
4. Git is a useful tool to use version control. Currently, you are pushing your code to a 'master' branch. Suppose the course asks you to submit each project code to a specific branch (e.g., Project 1 to project_1 branch, Project 2 to project_2 branch), explain how you would git push your latest code to the Endeavour git repository. **(5 points)**
5. Since Git is a version control system, suppose you would like to roll back to your previous commit and discard the latest commit. Explain the procedure of how to achieve this with an example. **(5 points)**