Expert Systems
Git Workflow for Students

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Outlines

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Installing Git on Windows

1. Go to the official Git website: `https://git-scm.com/`
2. Download the Windows installer.
3. Run the installer and follow these steps:
   - Select **Use Git from the Windows Command Prompt** during installation.
   - Enable **Git Credential Manager** (optional but recommended).
4. Finish the installation.
5. Verify installation:
   - Open Command Prompt or Git Bash.
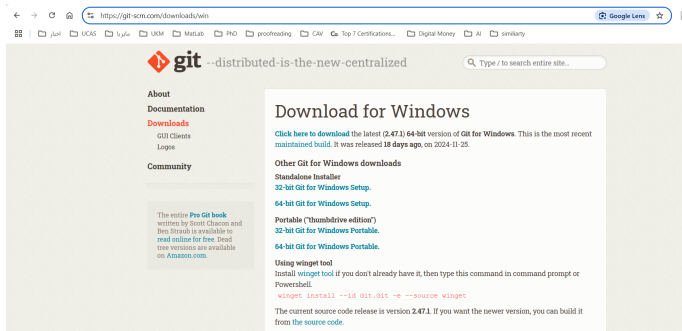   - Run: `git --version`
6. Git is now ready to use.

Frame Title

Figure: Git website

Cont.,

Figure: Check Git version on windows Command Prompt

Outlines

Open directory using Command Prompt

- Go to any place in your space.
- Make a directory with your name.
- Open the directory by git as shown below.

Figure: open directory

Outlines

1. Installing Git on Windows

2. Own Directory and preparing for coding

3. cloning and Creating a New Branch

4. Pushing a New Branch

Cloning and Creating a New Branch

1. Clone the repository:
   - `git clone https://github.com/mtahrawi/Expert-systems.git`
2. Check on your windows that the cloning has been done
3. Create and switch to a new branch:
   - `git checkout -b <Your name>`
   - Example: `git checkout -b mtahrawi`
4. Edit the code by your own code editor:
   - Add files or make changes using any convenient code editor.
   - Add your name to the main code file.
5. Create the banch
   - Stage the changes: `git add .`
   - Commit the changes: `git commit -m "Added assignment of <your name>"`

Cont.,

Figure: Step 1: Clone caption
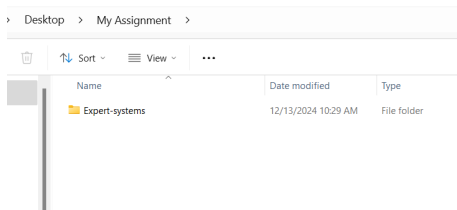
Figure: Step 2: Check the cloned folder in your device

Cont.,

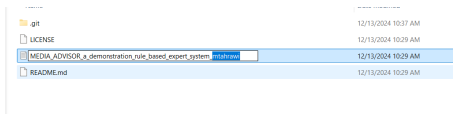

Figure: Step 3: Checkout branch

Figure: Step 4: Adding your name to the main code file

Cont.,


```
C:\Users\ASUS\Desktop\My Assignment\Expert-systems>git add .

C:\Users\ASUS\Desktop\My Assignment\Expert-systems>git commit -m "Added assignment of mtahrawi"
[mtahrawi eecbd2c] Added assignment of mtahrawi
 1 file changed, 0 insertions(+), 0 deletions(-)
 rename MEDIA_ADVISOR_a_demonstration_rule_based_expert_system.ipynb => MEDIA_ADVISOR_a_demonstration_rule_based_expert_system_mtahrawi.ipynb (100%)

C:\Users\ASUS\Desktop\My Assignment\Expert-systems>
```

Figure: Step 5: Add branch and commitment

Outlines

Pushing a New Branch

1. Push the branch to the repository:
   - `git push origin <branch-name>`
   - Example: git push origin **mtahrawi**
2. Your branch is now available in the mine repository.
3. Please wait until I get back with my comments.

Cont.,

Figure: push the branch under your own work

THANKS