

Web 3.0 and Metaverse Developer

Quarter I Assignments and Projects

01- Quarter I Metaverse Presentations

The students are required to make Metaverse presentations on Google slides:

1. What is the Metaverse? (Part I of The Metaverse Textbook) **Due on Sunday, October 9, 2022 Midnight**
2. How the Metaverse Will Revolutionize Everything? (Part III of The Metaverse Textbook).
3. What is Required to Build the Metaverse? (Part II of The Metaverse Textbook).

In addition to the Textbook reading material you may refer to any additional material with references.

Bonus Points: Students who upload a video presentation on YouTube will receive a large number of bonus points. . When you have completed your presentation please submit your repository URL in this form:

[Web 3.0 and Metaverse Project Submission Form](#)

02- Quarter I Web 3.0 Presentations

The students are required to make Web 3 presentations on Google slides:

1. Blockchain 101 and Decentralization (Chapters 1 and 2 of Mastering Blockchain Textbook).
2. Ethereum and Smart Contracts (Chapters 10, 11, 12, and 13 of Mastering Blockchain Textbook).
3. Tokenization (Chapter 18 of Mastering Blockchain Textbook).

In addition to the Textbook reading material you may refer to any additional material with references.

Bonus Points: Students who upload a video presentation on YouTube will receive a large number of bonus points.

When you have completed your presentation please submit your repository URL in this form:

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03- Quarter I JavaScript Homework Coding Exercises:

[Getting Started Exercises with JavaScript and Node.js](#)

04- Quarter I TypeScript Homework Coding Projects:

[TypeScript Projects for Students](#)

05- Required: Learn Fundamentals of Version Control with Git

All projects will be submitted by creating a public repository on GitHub. Please learn Git and GitHub by using these resources:

Version Control using Git and GitHub By Sir Zeeshan Hanif Videos

Chapters 1, 2, 3, and 4 Learn Version Control with Git: A step-by-step course for the complete beginner by Tobias Günther

We will also covers these readings:

<https://help.github.com/articles/markdown-basics/>

<http://stackoverflow.com/questions/5009600/difference-between-fork-and-branch-on-github>

<http://stackoverflow.com/questions/3329943/git-branch-fork-fetch-merge-rebase-and-clone-what-are-the-differences>

<https://git-scm.com/book/en/v2/Git-Branching-Rebasing>

<http://git-scm.com/book/en/v2/Git-Branching-Remote-Branches#Tracking-Branches>

For practice: <https://try.github.io/levels/1/challenges/1>

Homework:

<https://www.datacamp.com/courses/introduction-to-git-for-data-science>

Please create a private Github repository for each project and give read access to Faculty Github IDs:

1. ziapanaccloud
2. daniyalnagori

When you have completed your project please submit your repository URL in this form:

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Note: Plagiarism is illegal, immoral and unacceptable. Any student who plagiarizes will

immediately be removed from the program.