

Project Title	Heart Disease Diagnostic - Analysis
Technologies	Business Intelligence
Domain	Healthcare
Project Difficulties level	Advanced

Problem Statement:

Health is real wealth in the pandemic time we all realized the brute effects of covid-19 on all irrespective of any status. You are required to analyze this health and medical data for better future preparation.

Do ETL : Extract- Transform and Load data from heart disease diagnostic database

You can perform EDA through python.

From the database extract various information such as Heart disease rates, Heart disease by gender, by age.

You can even compare attributes of the data set to extract necessary information.

Make necessary dashboard with the best you can extract from the data.

Use various visualization and features and make the best dashboard

Find key metrics and factors and show the meaningful relationships between attributes.

Do your own research and come up with your findings.

Dataset:

Database list: heart_disease_dataset.csv

<https://drive.google.com/drive/folders/165Pjmf9W9PGy0rZjHEA22LW0Lt3Y-Q8?usp=sharing>

Approaches:

Python, R, Tableau, Power BI or you can use any tools and techniques as per your convenience. We would appreciate your valid imagination in finding solutions

Project Evaluation metrics:

Code: As per the requirements

- You are supposed to write a code in a modular fashion
- Safe: It can be used without causing harm.
- Testable: It can be tested at the code level.
- Maintainable: It can be maintained, even as your codebase grows.
- Portable: It works the same in every environment (operating system)
- You have to maintain your code on GitHub.
- You have to keep your GitHub repo public so that anyone can check your code.
- Proper readme file you have to maintain for any project development.
- You should include basic workflow and execution of the entire project in the readme file on GitHub
- Follow the coding standards: <https://www.python.org/dev/peps/pep-0008/>

Database:

- You are supposed to use a given dataset/resource for this project.

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Submission requirements:

High-level Document:

You have to create a high-level document design for your project. You can reference the HLD form below the link.

Demo link:

[HLD Document Link](#)

Low-level document:

You have to create a Low-level document design for your project; you can refer to the LLD from the below link.

Demo link:

[Low Level Design Sample document link](#)

Architecture:

You have to create an Architecture document design for your project; you can refer to the Architecture from the below link.

Demo Link:

[Architecture Document Link](#)

Wireframe:

You have to create a Wireframe document design for your project; refer to the Wireframe from the below link.

Demo link

[Wire-frame link](#)

Project work:

You will have to share the Tableau Public Link of your work

You have to submit your code GitHub repo in your dashboard when the final submission of your project.

Demo link

Detail project report:

You have to create a detailed project report and submit that document as per the given sample.

Demo link

[DPR sample link](#)

Project demo video:

You have to record a project demo video for at least 5 Minutes and submit that link as per the given demo.

Demo link

[Project sample link :](#)

The project LinkedIn a post:

You have to post your project detail on LinkedIn and submit that post link in your dashboard in your respective field.

Demo link

[Linkedin post sample link :](#)

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