Provide a high level description of Sarunas’ FinTech firm in words. You are not expected to explain technical parts in depth, but provide a mechanical description of what each of the four structural parts do, how they interact, and what they achieve overall.

Sarunas Fintech Firm is the idea based on the Lending Club and the data they have used is of the Lending Club data from Kaggle. Sarunas repo contains bare-bones implementation of the very simple Fintech business which is issuing loans to private individuals.

The repo contains 4 services:

Streamlit UI where customers fill their application

Statistical Model (Regression) running on FastAPI

Postgres Database that stores requests and responses

JupyterLab to analyse the data

**Streamlit UI where customers fill their application:**

It is a python based framework use to create web application by using python. Fintech firm Sarunas is using Streamlit website application to gather information request. From here they gather users information.

**Statistical Model (Regression) running on FastAPI**

FastApi is modern web framework for building API in python. Sarunas uses FastApi as back-end of their web framework where the statistical calculation is performed. This is important to understand the data well.

**Postgres Database that stores requests and responses**

Postgres is a free and open source relational database management system. It is used for primary data store and Sarunas is using Postgres to store the data that they get from using Streamlit UI and then use it later whenever they require.

**JupyterLab to analyse the data**

JupyterLab is software which is open source and is used for proper analysis running different codes in it. Sarunas uses the JupyterLab for analyzing data properly using various methods and codes.

Here first Sarunas collect the data from StreamlitUI and then stores the data using the Postgres Database. Based on the stored data Regression model is run on the large chunk of data and for further analysis JupiterLab is used where every single data is analyzed as per the requirement.