

Requirements Specification Phase

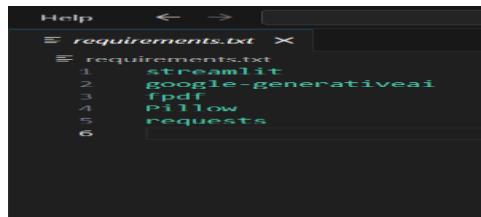
Date	29 January 2026
Team ID	LTVIP2026TMIDS26163
Project Name	Explore with AI: Custom Itineraries for Your Next Journey
Maximum Marks	3 Marks

Create a requirements.txt file to list the required libraries:

The Requirements Specification phase focuses on identifying, analyzing, and documenting the functional and non-functional requirements of the AI Travel Itinerary Generator system. During this phase, the project objectives were clearly defined, user needs were analyzed, and system features were outlined to ensure successful development.

The system is designed to help travelers generate personalized travel itineraries based on destination and trip duration. Requirements were gathered by understanding common problems faced by travelers such as time-consuming research, lack of structured planning, and difficulty in finding reliable travel information.

Screenshot:



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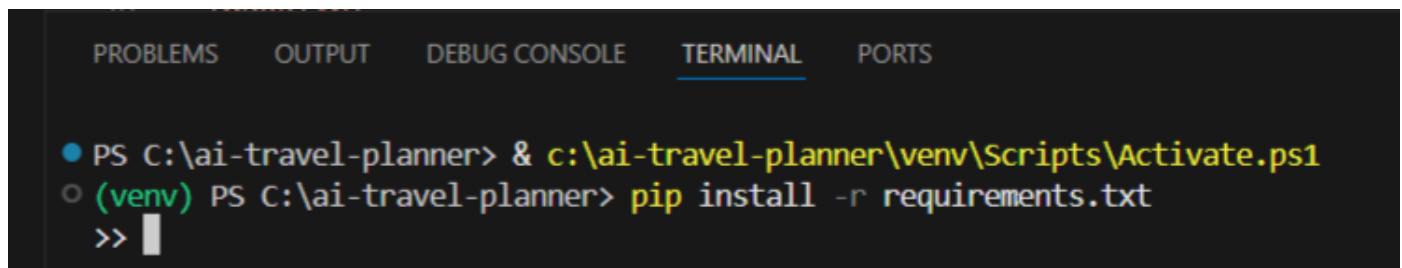
Help  ← →
requirements.txt ×
requirements.txt
1 streamlit
2 google-generativeai
3 fpdf
4 Pillow
5 requests
6

```

Install the required libraries:

The command pip install -r requirements.txt is used to install all the necessary Python libraries required to run the project. The requirements.txt file contains a list of dependencies such as Streamlit for the web interface, the Google Generative AI library for itinerary generation, FPDF for creating downloadable PDFs, and Requests for fetching images from APIs.

By running this command, the system automatically sets up the development environment with the correct library versions, ensuring the application runs smoothly without missing dependencies.



A screenshot of a terminal window titled "TERMINAL". The window has tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (which is underlined), and PORTS. The terminal content shows a command-line session:

- PS C:\ai-travel-planner> & c:\ai-travel-planner\venv\scripts\Activate.ps1
- (venv) PS C:\ai-travel-planner> pip install -r requirements.txt
- >> █

The terminal is currently at the prompt after the command "pip install -r requirements.txt".