

Python Streamlit Chatbot Code

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Explain what the following code does in detail and the utilities that are used to do it.

python

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```
1  import os
2  from dotenv import load_dotenv
3  import streamlit as st
4  from docling.document_converter import DocumentConverter
5  from langchain.schema import Document
6  from langchain_text_splitters.character import CharacterTextSplitter
7  from langchain_community.vectorstores import FAISS
8  from langchain_community.embeddings import HuggingFaceEmbeddings
9  from langchain_groq import ChatGroq
10 from langchain.memory import ConversationBufferMemory
11 from langchain.chains import ConversationalRetrievalChain
12 import xml.etree.ElementTree as ET
13 from typing import List
14 from urllib.parse import urljoin
15 import requests
16 import time
17 import random
18 import sqlite3
19 import datetime
20 import threading
21 from path import path
22 import gi
23 # Load the environment variables
```

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