BUSINESS ANALYST ASSISTANT

Revolutionizing Business Documentation with AI

PROBLEM AND SOLUTION

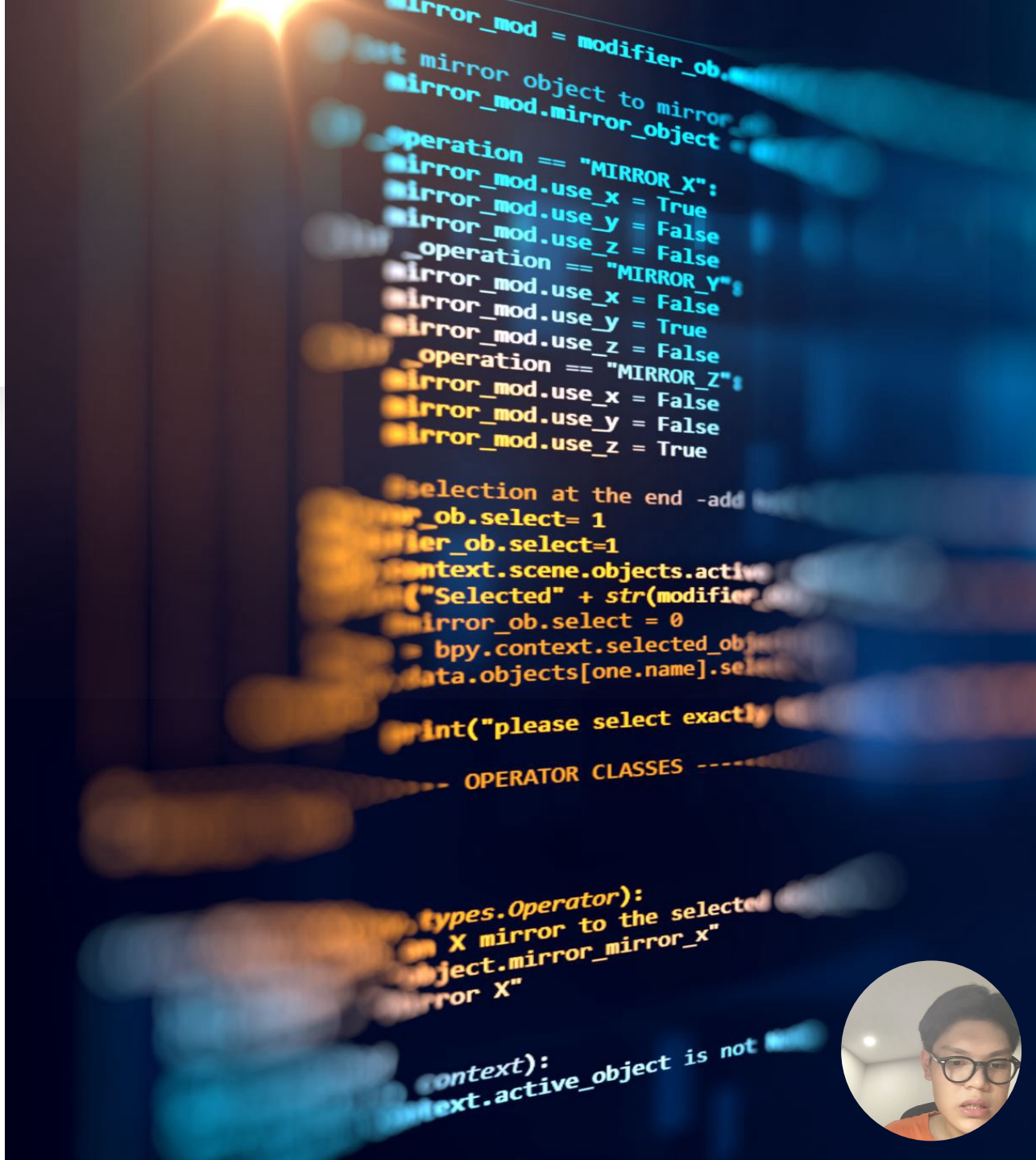
- Problem:
  - Businesses struggle with the time-consuming process of creating comprehensive documentation for software development projects.
  - Manual processes are prone to errors and inconsistencies.
  - Lack of streamlined tools for business analysts.
- Solution:
  - Our AI-powered Business Analyst Assistant automates the creation of various documents needed in software development.
  - Provides accurate, consistent, and comprehensive documentation.
  - Saves time and reduces errors.

TARGET CUSTOMERS

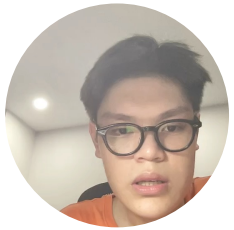
- Business Analysts: Automate documentation processes, ensuring accuracy and saving time.
- Software Development Teams: Streamline the documentation process, improving collaboration and project management.
- Project Managers: Enhance project tracking and ensure comprehensive documentation for stakeholders.
- Consulting Firms: Provide high-quality documentation services to clients efficiently.

TECHNICAL DETAILS

- Technologies Used:
  - AI Model: Llama3-Groq 70B-8192 for natural language processing and document generation.
  - Platform: Streamlit for creating an interactive web interface.
  - Libraries: Pandas for data manipulation, PDFplumber and Pytesseract for text extraction from documents.
- Project Workflow:
  - Step 1: Data Preprocessing - Upload and analyze data to extract key information.
  - Step 2: Generate Business Requirement Documents (BRD).
  - Step 3: Create Functional Requirement Documents (FRD).
  - Step 4: Develop Use Case Documentation.
  - Step 5: Data Modeling - Generate text-based ERD and Logical Data Model.
  - Step 6: Design Wireframes and Mockups.
- Complexity:
  - Integrates multiple AI models for various documentation steps.
  - Handles diverse data inputs (Excel, PDF) and outputs detailed structured documents.



PRODUCT DEMO



Fork

Business Analyst Assistant

Select Step

- (•) Step 1: Data Preprocessing
- ( ) Step 2: Business Requirement Documents
- ( ) Step 3: Functional Requirement Document
- ( ) Step 4: Use Case Documentation
- ( ) Step 5: Data Modeling
- ( ) Step 6: Wireframes and Mockups

Business Analyst Assistant

Step 1: Data Preprocessing

Upload your Excel file

Drag and drop file here

Limit 200MB per file • XLSX, XLS

Browse files

BUSINESS MODEL

- Commercialization:
  - Subscription Model: Monthly or yearly subscriptions for businesses to access the AI-powered documentation tool.
  - Service Model: Offer custom documentation services for businesses and consulting firms.
  - Licensing: License the technology to other software platforms or integrators.
- Market Potential:
  - High demand for automation tools in the business analysis and software development sectors.
  - Potential to expand into other documentation-heavy industries like legal, healthcare, and finance.
- Revenue Streams:
  - Subscription fees.
  - Custom service fees.
  - Licensing agreements.

CONCLUSION

THANK YOU