

DBS Bank Credit Card Statement Generator

About the Project

This is a backend web application developed using Flask (Python) to generate professional PDF credit card statements for DBS Bank customers. It supports MySQL database integration and structured PDF rendering using WeasyPrint.

About DBS Bank

DBS Bank is one of Asia's leading financial services groups, headquartered in Singapore. This tool supports DBS's digital innovation by delivering personalized, secure, and multilingual banking statements.

Tech Stack

- Python (Flask)
- MySQL
- WeasyPrint
- HTML/CSS
- Jinja2 Templates

Features

- Multilingual PDF Statements (English, Chinese, Malay, Tamil)
- Secure Data Retrieval
- Responsive Output Layout
- Downloadable via GET API
- Modular Code Design

API Usage

Endpoint: /generate_pdf

Method: GET

Parameters:

- customer_id (required)
- language (optional: en, zh, ms, ta)

Example: http://localhost:5000/generate_pdf?customer_id=123&language=zh

Project Setup

1. Clone the repo
2. Create a virtual environment
3. Install dependencies
4. Run the app with `python app.py`
5. Access via `http://localhost:5000`

Credits

Intern: Blezcherian

Bank: DBS Bank - Credit Card Systems

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Year: 2025

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