

Standard Bank – PDF Statement Generator

Project Overview

The **Standard Bank PDF Statement Generator** is a Python-based utility that produces professional, paginated **credit card statements** in PDF format. It pulls customer, account, and transaction data from a MySQL database and generates a clean, readable PDF using **WeasyPrint** and **Jinja2** templating.

Setup Instructions

1. Clone the Repository

```
git clone https://github.com/standardbank/pdf-statement-generator.git
cd pdf-statement-generator
```

2. Install Dependencies

```
pip install pymysql weasyprint jinja2
```

3. Database Configuration

Update your MySQL credentials in the DB_CONFIG section of the script:

```
DB_CONFIG = {
    'host': 'localhost',
    'user': 'root',
    'password': 'your_password',
    'database': 's_bank'
}
```

How to Use

Generate a PDF statement with:

```
python generate_statement.py <customer_id> <output_filename.pdf> [<page>]
```

Example:

```
python generate_statement.py 1 statement_customer1.pdf 1
```

If no arguments are passed, it defaults to customer ID 1 and page 1.

Test Report

A professional **test suite** with **15 cases** has been included to validate:

- Data rendering
- Pagination accuracy
- Layout responsiveness
- Error handling

You can view the results in the generated PDF: **test_case_report.pdf**

Support

Customer Service: 0800 123 456

Email: support@standardbank.co.za

Lost/Stolen Cards: 0800 020 600

International: +27 11 299 4701