
GROWPAL

PROJECT IN COMPUTER SCIENCE (083)

SYNOPSIS

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PREPARED BY

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CLASS 12 INT

REG NO: 20203004



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ACADEMY**
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ACKNOWLEDGEMENT

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ABSTRACT

PYTHON IS AN INTERPRETED, HIGH-LEVEL, GENERAL-PURPOSE PROGRAMMING LANGUAGE. CREATED BY GUIDO VAN ROSSUM AND FIRST RELEASED IN 1991, PYTHON'S DESIGN PHILOSOPHY EMPHASIZES CODE READABILITY WITH ITS NOTABLE USE OF SIGNIFICANT WHITESPACE.

PYQT5 IS A COMPREHENSIVE SET OF PYTHON BINDINGS FOR QT V5. IT IS IMPLEMENTED AS MORE THAN 35 EXTENSION MODULES AND ENABLES PYTHON TO BE USED AS AN ALTERNATIVE APPLICATION DEVELOPMENT LANGUAGE TO C++ ON ALL SUPPORTED PLATFORMS INCLUDING IOS AND ANDROID.

GROWPAL IS A SOFTWARE WRITTEN IN PYTHON THAT AIDS SMALL BUSINESSES IN APARTMENT SOCIETIES TO GROW THEIR CUSTOMER BASE. WE HAVE DEVELOPED AN ELEGANT GRAPHICAL USER INTERFACE (GUI) TO MAKE IT SIMPLE AND INTUITIVE TO USE. ITS FUNCTION IS TO ACT AS A COMMON PLATFORM FOR BOTH BUYERS AND SELLERS TO CONNECT AND EXCHANGE GOODS INSIDE A SOCIETY.

SYSTEM REQUIREMENTS

MINIMUM:

RAM: 1GB

OPERATING SYSTEM: LINUX, WINDOWS 7 OR LATER,
MACOS X SIERRA OR LATER

SPACE: 50MB OR HIGHER

PROCESSOR: DUAL-CORE 2.80 GHZ OR HIGHER

SCREEN RESOLUTION: 1920X1080

GRAPHICS CARD: 64MB OR HIGHER

PYTHON VERSION: PYTHON 3 OR HIGHER

RECOMMENDED:

RAM: 4GB

OPERATING SYSTEM: LINUX, WINDOWS 7 OR LATER,
MACOS X SIERRA OR LATER

SPACE: 100MB OR HIGHER

PROCESSOR: DUAL-CORE 2.80 GHZ OR HIGHER

SCREEN RESOLUTION: 1920X1080

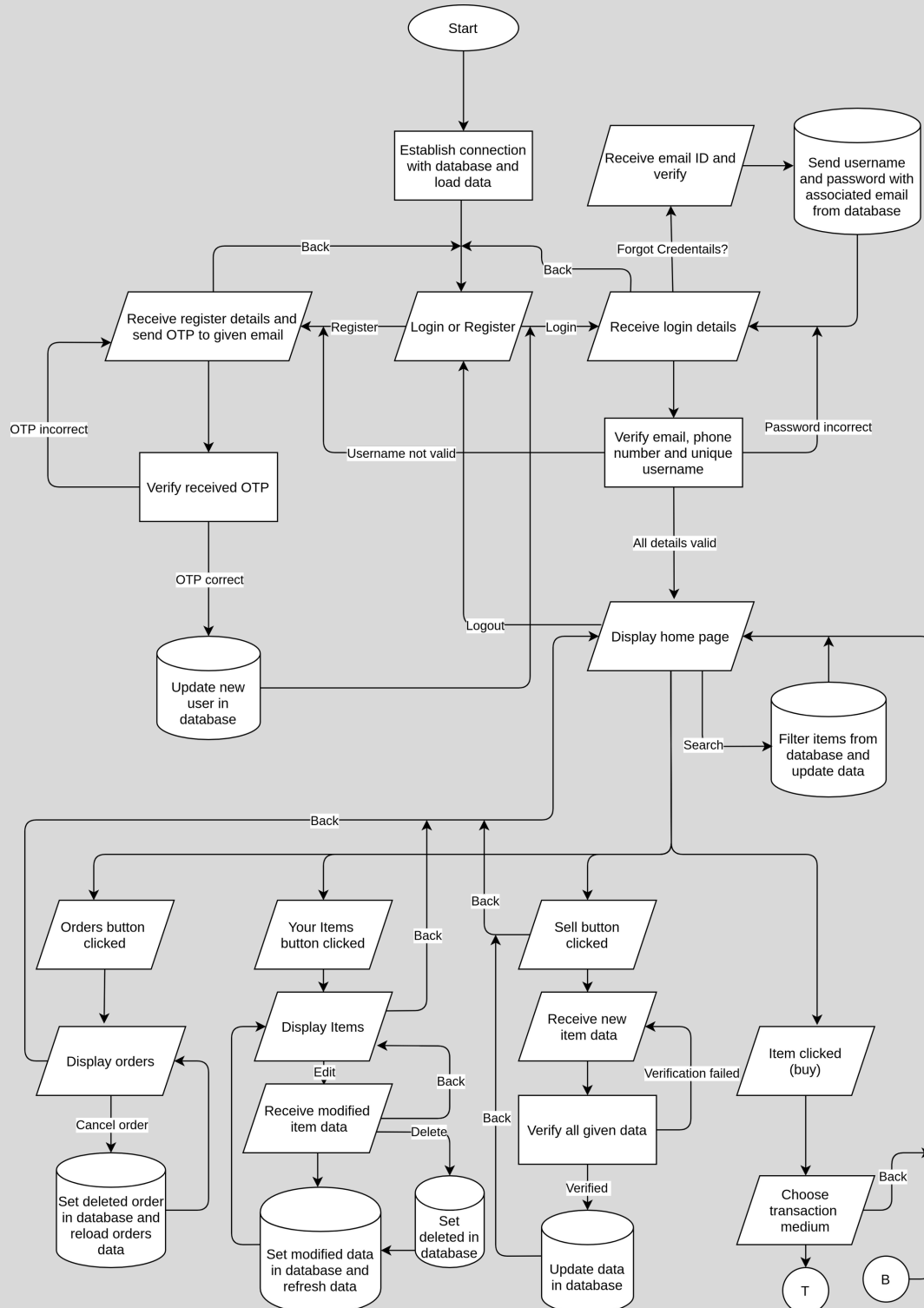
GRAPHICS CARD: 64MB OR HIGHER

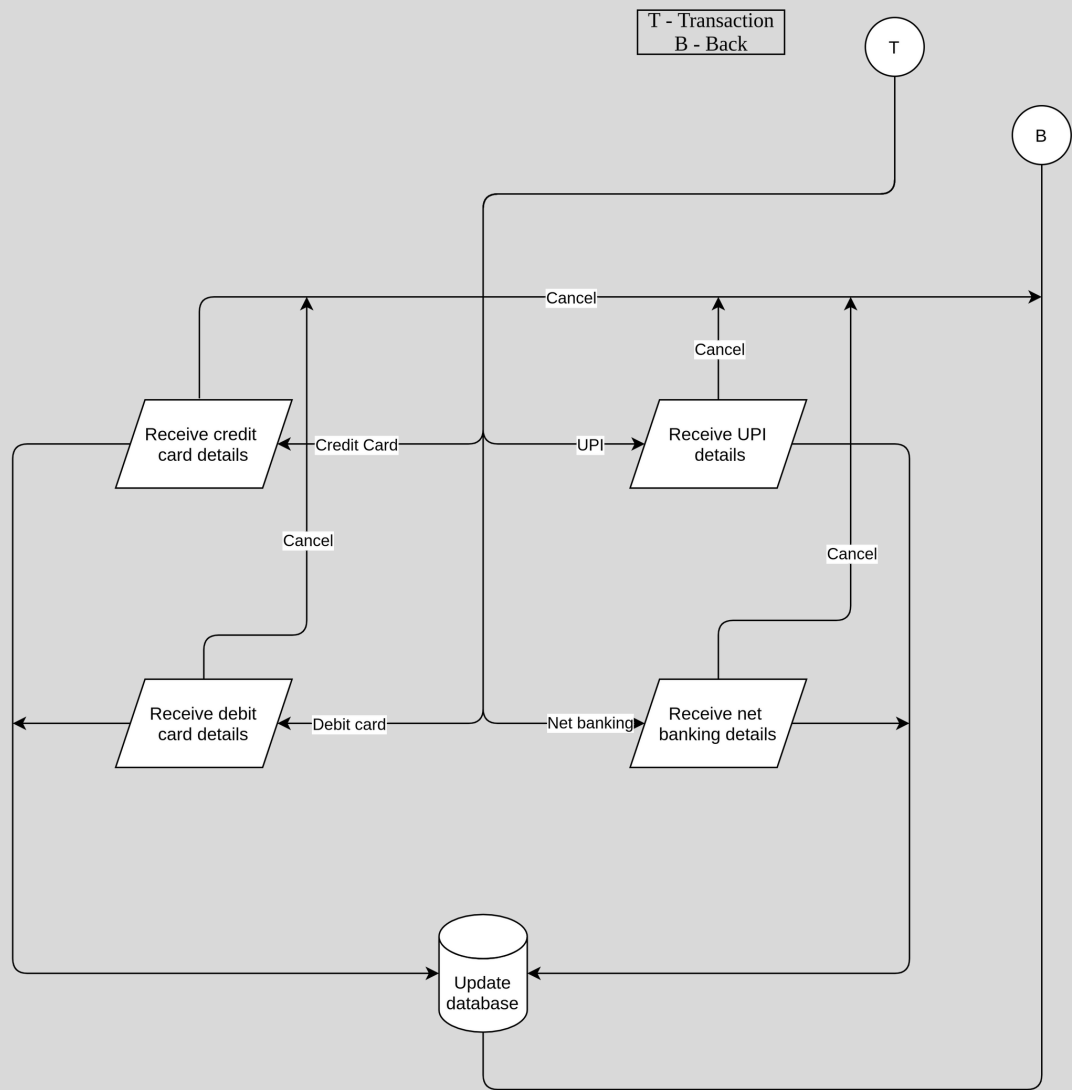
PYTHON VERSION: PYTHON 3 OR HIGHER

PIP PACKAGES

- `pip install PyQt5`
- `pip install validate_email`
- `pip install pandas`
- `pip install mysql-connector-python`
- `pip install imagekitio`
- `pip install imagekitio`
- `pip install qdarkstyle`
- `pip install dnspython`

PROJECT DESIGN





DATABASE TABLES

Login Details:

Field	Type	Null	Key	Default	Extra
username	varchar(50)	NO	PRI		
password	varchar(100)	YES		NULL	
email	varchar(100)	YES		NULL	
phone_number	varchar(10)	YES		NULL	

Listed Items:

Field	Type	Null	Key	Default	Extra
product_name	varchar(50)	YES		NULL	
product_price	varchar(50)	YES		NULL	
product_description	varchar(1000)	YES		NULL	
seller_username	varchar(50)	YES		NULL	
seller_name	varchar(50)	YES		NULL	
seller_phone_number	varchar(10)	YES		NULL	
seller_email	varchar(50)	YES		NULL	
seller_address	varchar(500)	YES		NULL	
seller_upi_id	varchar(100)	YES		NULL	
product_image_address	varchar(500)	YES		NULL	
deleted	varchar(5)	YES		False	
item_id	int(11)	YES		NULL	

Credit Card Transactions:

Field	Type	Null	Key	Default	Extra
username	varchar(50)	YES		NULL	
item	varchar(50)	YES		NULL	
price	varchar(50)	YES		NULL	
card_number	varchar(50)	YES		NULL	
cvv	varchar(50)	YES		NULL	
flat_number	varchar(400)	YES		NULL	
image_url	varchar(500)	YES		NULL	
order_id	int(11)	YES		NULL	
deleted	varchar(5)	YES		False	

Debit Card Transactions:

Field	Type	Null	Key	Default	Extra
username	varchar(50)	YES		NULL	
item	varchar(50)	YES		NULL	
price	varchar(50)	YES		NULL	
card_number	varchar(50)	YES		NULL	
cvv	varchar(50)	YES		NULL	
flat_number	varchar(400)	YES		NULL	
image_url	varchar(500)	YES		NULL	
order_id	int(11)	YES		NULL	
deleted	varchar(5)	YES		False	

Net Banking Transactions:

Field	Type	Null	Key	Default	Extra
username	varchar(50)	YES		NULL	
item	varchar(50)	YES		NULL	
price	varchar(50)	YES		NULL	
account_number	varchar(50)	YES		NULL	
CIF_num	varchar(50)	YES		NULL	
branch_code	varchar(50)	YES		NULL	
flat_number	varchar(400)	YES		NULL	
image_url	varchar(500)	YES		NULL	
order_id	int(11)	YES		NULL	
deleted	varchar(5)	YES		False	

UPI Transactions:

Field	Type	Null	Key	Default	Extra
username	varchar(50)	YES		NULL	
item	varchar(50)	YES		NULL	
price	varchar(50)	YES		NULL	
UPI_ID	varchar(50)	YES		NULL	
flat_number	varchar(400)	YES		NULL	
image_url	varchar(500)	YES		NULL	
order_id	int(11)	YES		NULL	
deleted	varchar(5)	YES		False	

Numbers:

Field	Type	Null	Key	Default	Extra
item_id_num	int(11)	YES		NULL	
order_id_num	int(11)	YES		NULL	

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