

SplitWise Clone

Project Mid Evaluation

BOIS

Department of Computer Science and Engineering
IIT Bombay.
Powai, Mumbai - 400076

November 7, 2019

Database Structure

Relationship	
id	int
action_id	varchar
receiver_id	varchar
net_balance	int

CustomUser	
id	int
firstname	varchar
lastname	varchar
created_at	timestamp
email	text
password	varchar
profile_pic	avatar

Group	
id	int
group_name	varchar
members	int

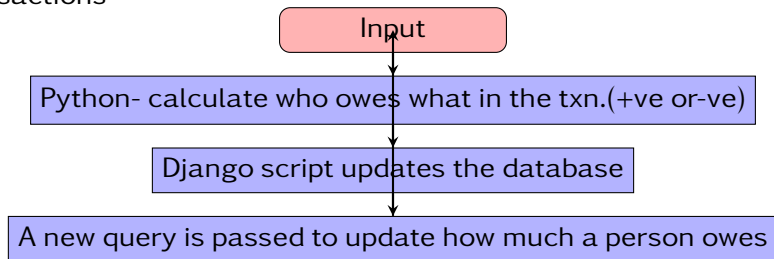
Group_User	
id	int
user_id	int
group_id	int

Accounts	
id	int
user_id	int
trans_id	int
rel_id	int
amt_exchanged	int

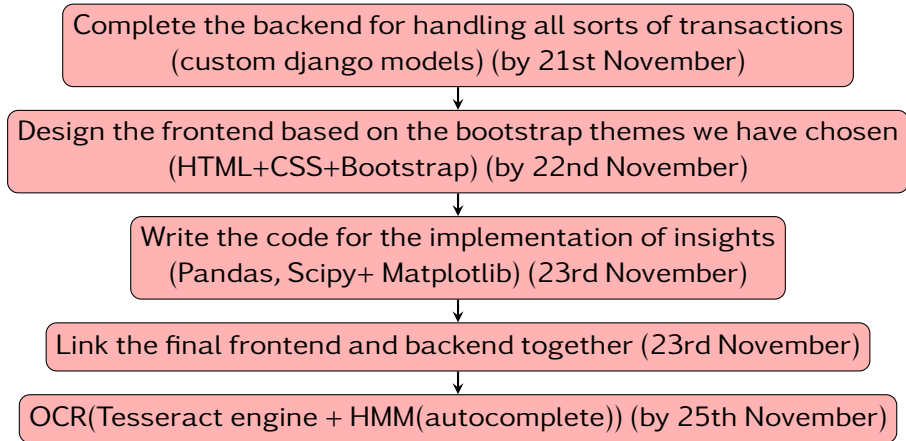
Transaction	
id	int
active_id	int
amt_paid	int
group_or_no	bool
group_num	text
settling_or_no	bool
trans_name	varchar
date	datetime

Workflow

Transactions



Plan of Action



Why OCR: For any large bill, only a scan or picture of it will suffice. We get to learn some image processing and artificial intelligence. The tesseract engine is really strong so the solution should work.