# User Actions

Transaction

* View all
* View individual
* Add new
* Edit current

Location (tesco, bank etc.)

* View all
* Add new

Transaction contents

* Amount spent
* Date (time)
* Location
* Item class

# Tables

Transactions

Locations

Items

# Attributes

Transactions

* Amount - INT
* Date - DATE
* Items –REFERENCES item(id)
* Location – REFERENCES Locations(id)
* ID – SERIAL8

Location

* Name – VARCHAR(255)

Items

* Name – VARCHAR(255)

# Table Relations

Transaction - (many to one) – Location

Transaction - (One to one)

|  |  |  |
| --- | --- | --- |
| * **Constraint** | * **Possible Effect of Constraint on Product** | * **Solution** |
| * **Hardware and software platforms** | * User may be viewing on incompatible browser or mobile device | * Maximise compatibility over   different devices and  browsers |
| * **Performance requirements** | * User may experience long load times as well as system slowdown on older hardware machines | * Make sure the app is   Lightweight and kept to  necessary components |
| * **Persistant storage and transactions** | * User needs to be able to access DB table information at any time of the day and from any device. | * Tables need to be stored   on an online database  /server that is always on |
| * **Usability** | * Needs to not be confusing to new users, not interface options can be hidden away. | * Make the display as   readable as possible |
| * **Budgets** | * Additional software, hosting costs,   Extended development time | * Keep additional software   to a minimum |
| * **Time limitations** | * Adding additional options and features may heavily increase development times | * Stick to MVP and only   Implement features  based on dev time. |