# XYZ Taxi App Planning and Specification Documents

# **Application Features Overview**

#### **Features**

- Main (Home) Page
- Login/Registration Page
- Members Dashboard
- Admin Dashboard
- Global backend
- Global frontend

## Main (Home) Page

- Menu

## Login/Registration Page

- Registration Form
- Login Form

#### **Members Dashboard**

- Check outstanding balance
- Make a payment
- Submit a claim
- List all claims and payments to date
- Logout button (Header?)

#### Admin Dashboard

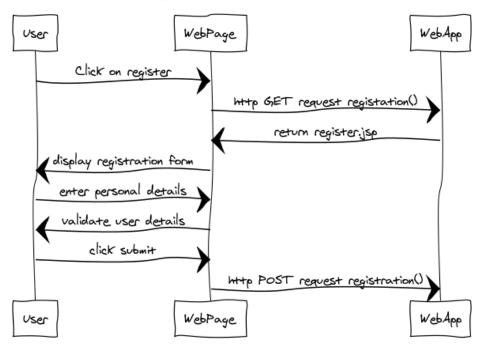
- Members applications
- Members list
- Outstanding balance list
- Claims list
- Process member applications
- Process member claims
- Manage membership status
- Report annual membership

# Database Schema

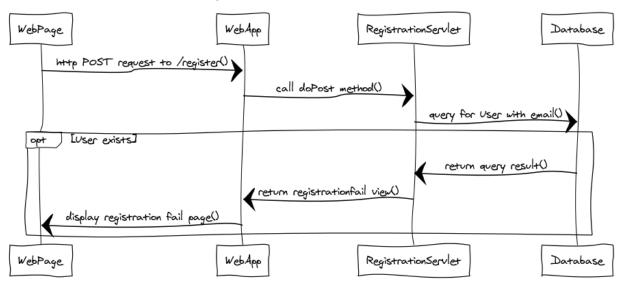
user	id, email, password, address, status, date_of_birth
user_role	id, user_id, role_id
user_session	id, user_id, hash, expiry_date
user_log	id, user_id, message, ip
role	id, name
role_permission	id, role_id, name
application	id, user_id,
membership	id, user_id, pounds, pence, status, start_date, claim_from_date
claim	id, membership_id, pounds, pence, claim_date
payment	Id, user_id, pounds, pence, stripe_id, reference

# Registration Sequences

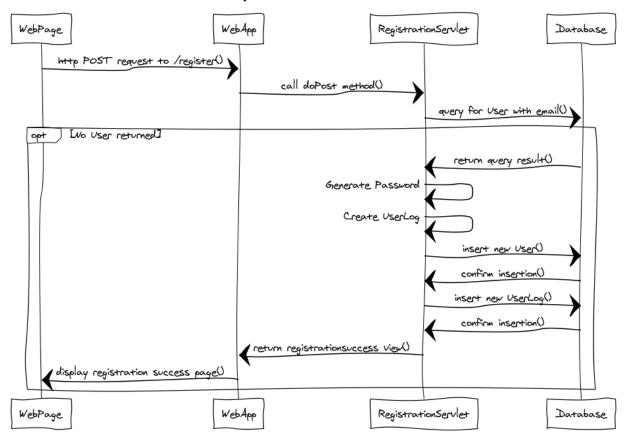
## Registration Sequence (Step 1)



## Registration Sequence (Fail, user exists)

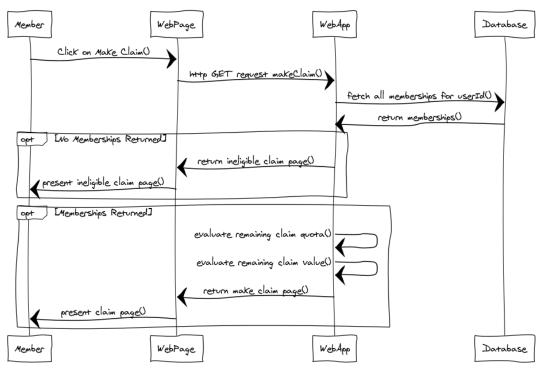


## Registration Sequence (Success)

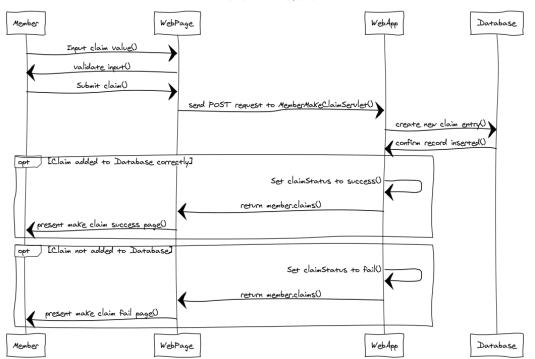


## Make Claim Sequences

## Make New Claim Sequence (Initial Step)

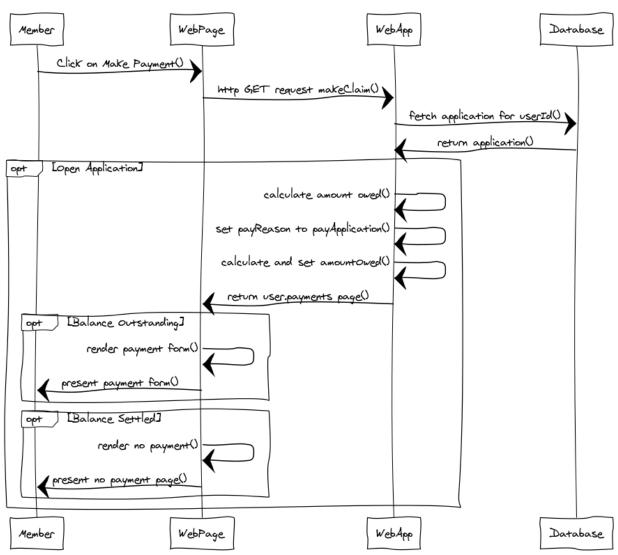


#### Make New Claim Sequence



# Make Payment Sequences

Make New Payment Sequence (Initial Step)



# Make New Payment Sequence Database WebApp StripeApi Input card details() send POST request to PaymentApi() [Failed token request] return error() [Successful token request] return token() send POST request to MakePaymentServlet() opt [Failed charge request] return error() Set payReason to fail() return user.payments() [Successful charge request] opt [Database Error] Set payReason to fail() [wo Database error] set payReason to success() return user.payments()

StripeApi

WebPage

User

WebApp

Database