Transport Management System

Introduction

This is a proposed transport management system for Hunas Holdings PLC. The system itself provides feature to register drivers & vehicles to where admin can monitor all records and generate reports for audit purposes. Furthermore, the system facilitates to use both in laptops/PC and mobile devices.

Objectives

- Reduce paperwork & time saving.
- Monitor transportation process.
- Keep track of vehicle & driver details in a single place.

Process & Strategy

- This is a web-based application which can be used on smart mobile devices as well.
- Upon the user login system shall identify the user type (Driver, Admin, Application User etc).
- Admin can register new user types / create logins for new users.
- Admin can access to vehicle maintenance module which allows to keep track of vehicle maintenance records.
- Admin can access to report module which allows management to generate necessary report for audit purposes.
- Drivers can access to Journey module to update start trip details & end trip details. Further, drivers can view his previous trip details via 'View my history' option.

BPM of Transport Management System
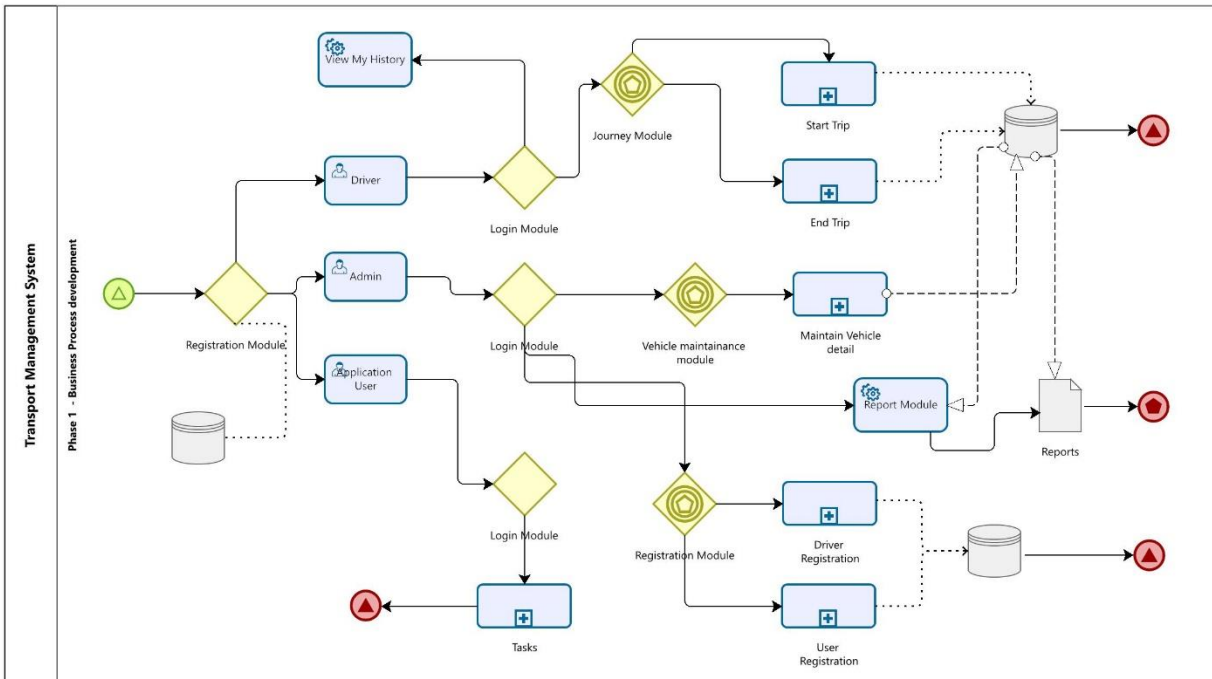
# Sample wireframes of the development

Login Page

- ✓ This is the initial screen when user navigates upon entering URL on the browser (Mobile or Web).
- ✓ Registered users can login to the system via providing correct username & correct password.
- ✓ User should be able to save the login credential by tick on 'Remember login' check box.
- ✓ User can reset the login credential by clicking 'Reset' button. When user click on reset button new password shall SMS to the given mobile number during the user registration process.

Home Page

- ✓ Upon the Admin login to the system, admin has three main options for administration related tasks.
- ✓ Registration Module allows admin to register new users with the system.
- ✓ Vehicle maintenance module allows admin to keep track of vehicle details.
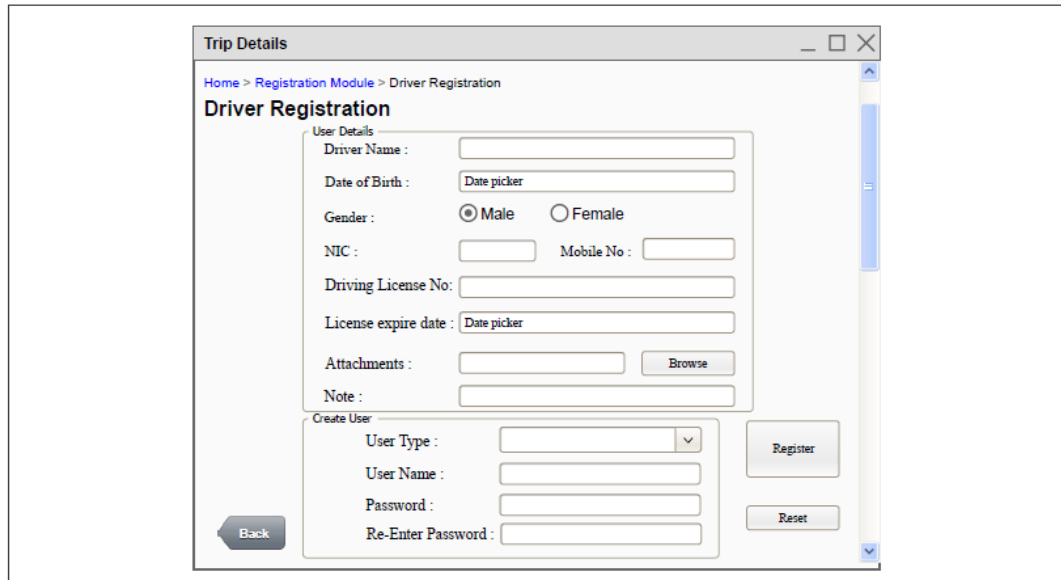- ✓ Report module allows admin to generate timely report for audit purposes.
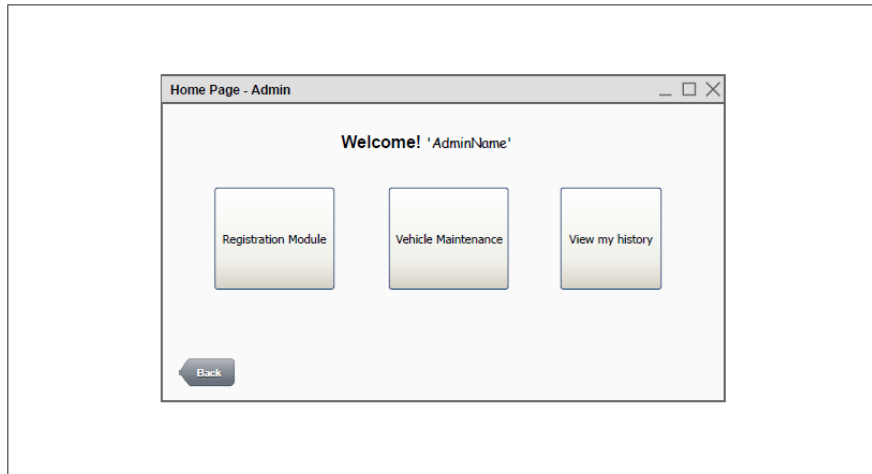
- ✓ Upon the driver login to the system. Driver has two main options.
- ✓ Journey module is the option where drivers can update their trip details.
- ✓ View my history option allows drivers to quickly view his/her previous trip details (this is just a basic report while comprehensive report only allows for admin users)
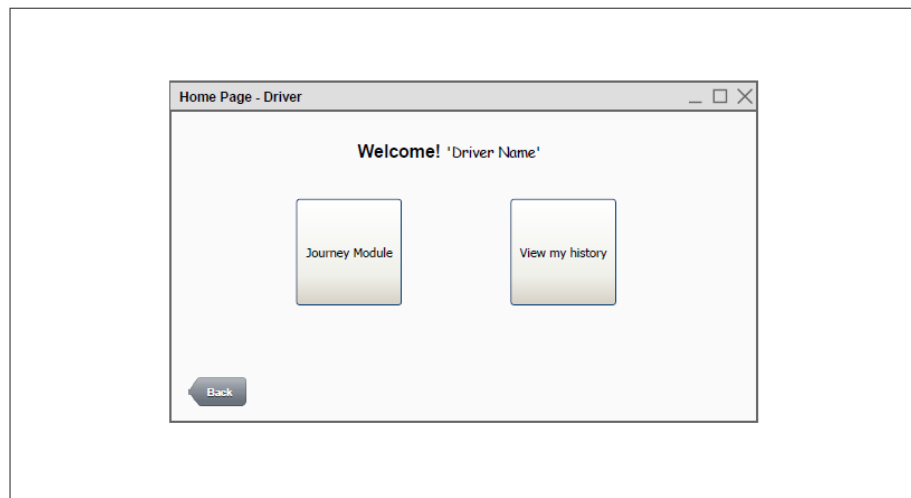
Driver registration

- ✓ Each driver should be registered with the system before driver entitle for update trip details.
- ✓ During the driver registration basic KYC details will be collected.
- ✓ Under the attachment section system allows to upload any pdf documents related to driver registration (Such as, copy of NIC, copy of driving license etc).
- ✓ User type drop down provides available user types for registration (Driver, Admin or Application user).

Admin Registration

- ✓ Each admin should be registered with the system before admin entitle for administrative tasks.
- ✓ During the admin registration basic KYC details will be collected.
- ✓ Under the attachment section system allows to upload any pdf documents related to driver registration (Such as, copy of NIC, copy of birth certificate etc).
- ✓ User type drop down provides available user types for registration (Driver, Admin or Application user).

Start Trip

✓ Before starting a trip, drivers should enter below details. Only the registered drivers with the system can access to this option.

✓ Registered vehicle numbers will be populated from the drop down menu.

✓ Once driver submit below details, system will keep a record under a unique trip ID with the trip status of 'IN PROGRESS'.
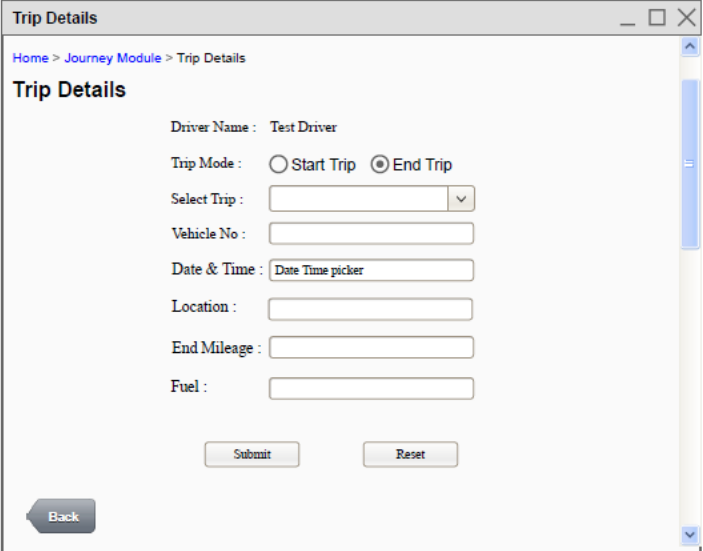
End Trip

- ✓ At the end of each trip, drivers should fill end trip details via below form.
- ✓ When driver select End trip radio button, system will automatically identify the trips which has not been completed (trips under IN PROGRESS status). This trip will be displayed under select trip drop down.
- ✓ Once driver select the correct trip, vehicle number will be displayed in the vehicle number field.
- ✓ Drivers should fill rest of the details and click on submit button.
- ✓ Upon click on submit button system will update records in the database under above unique trip ID and the status will be changed from 'IN PROGRESS' to 'SUCCESS'.

Trip Summary Report

- ✓ This is the main report which can be used to refer all trip details for admins.
- ✓ Admins can search trip details either by driver name or vehicle number.
- ✓ Also this report can be downloaded as .xls format or .pdf format.

- This document is to support development phase 1 as a Software Requirements Specification (SRS) document & these features can be modified upon the requirement of client.