**Introduction:**

Basic idea of HandBraker.com is to collect, verify, maintain and listing-out minimum 4-wheeler Driver profiles.

**Users of HandBrakers.com:**

1. Driver
2. Driver Agency
3. Customer (Driver Seeker)
4. Admin
5. Managers ()

**Authentication & Authorization Module:**

1. **Registration for Driver:**
2. Email \*
3. Password \*
4. Username \*
5. Phone Number \*
6. Alternate Phone Number \*
7. Address Line 1 \*
8. Address Line 2 \*
9. Address Line 3 \*
10. State \*
11. City \*
12. Country \*
13. Pin code \*
14. PAN Number \*
15. Driving Licence Number \*
16. Adhaar Card Number
17. Do you have car
18. If Yes, Fill the vehicle Name and Model : \*

Mandatory Files: Pan Card Copy, Driving License, Driver Photo

1. **Registration for Customer:**
2. Email \*
3. Password \*
4. Username \*
5. Phone Number \*
6. Alternate Phone Number \*
7. Address Line 1 \*
8. Address Line 2 \*
9. Address Line 3 \*
10. State \*
11. City \*
12. Country \*
13. Pin code \*

Mandatory Files: Customer Photo

1. **Registration for Driver Agency:**
2. Email \*
3. Password \*
4. Username \*
5. Phone Number \*
6. Alternate Phone Number \*
7. Address Line 1 \*
8. Address Line 2 \*
9. Address Line 3 \*
10. State \*
11. City \*
12. Country \*
13. Pin code \*
14. Agency Name \*
15. Agency Registration Number \*
16. Agency Contact Number \*
17. PAN Number \*

Mandatory Files: PAN copy, Agency Registration Copy, Agency Logo

1. **Forms for Authentication Module**
2. **Login Form**
3. **Forgot Password**
4. **Registration for all user roles**
5. **Spring Configuration Flow – Requirement**
6. Configure Dispatcher Servlet.
7. Configure View Resolver.
8. Email Configuration.
9. MIME Type Converters Configuration.
10. Spring - Hibernate Configuration
11. Apache Tiles Configuration.
12. Cross Origin Request Security (CORS) Filter Configuration.
13. Spring Security Configuration.
14. Spring Web Flow Configuration.
15. Authentication configuration – Authentication Provider, LoginSuccessHandler, LoginFailureHandler, LogoutSuccessHandler, Http configuration, SessionListener

**Login – Logout Flow Explanation :**

1. Display Login Page
2. On Submit username, password validate client and Server sides whether username and password are valid.
3. If username , password matches go to Home page.
4. If username, password doesn’t match show error depending on type of mis-match.
5. On successful login store Login time , On successful logout store logout time in UserLoginFeed table.
6. On login failure due to username and password mismatch, store login counter in UserLoginAttemptCounter table.

If user attempts 5 wrong credentials, lock user account.

On next attempt show user account is locked.

On each unsuccessful login notify user that howmany attempts left.

**Forgot Password :**

1. When user clicks on forgot password, show a page for email.
2. On email submission, validate email and send an email containing verification link with verification token. Store this token in UserCodes
3. When user clicks on reset password link, validate token and if it is correct show a page with Password, confirm password form.
4. Onsubmit update password against old password.