

# Guiding Tool for RTO Applicants

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### Problem statement

To get any document, certificates, apply for id proof or pan card it includes many steps.

Instructions / procedure given by government are not clear enough to understand people in one attempt.

And it is extremely time consuming in most cases.

### Aim

- Designing an online portal to reduce the time taken and stress involved in application for a Driving License.
- The aim is to reduce the interference of third party mainly brokers in completing the task, as many of the process are not well known to the public, and to make people self-sufficient.

### Focus

Develop a **self explanatory** platform and guide for RTO applicant by giving **clear instructions**, **online tracking and FAQ** at every stage.

### Target User

- Anyone applying for a Driving License Who has basic knowledge about reading and writing.
- · People who have smart phones.

### **Passport Application**

**Required Documents** 

Instructions not clear

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#### **Birth Certificate**

Alternative certificate
Migrated people
Long distance

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Waisting for Driving License for 5 months

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#### Online news paper

Online news paper

#### Applying for a driving licence in Mumbai? Prepare for a long wait

Kailash Korde, Hindustan Times, Mumbel | Updated: Feb 17, 2015 21:59 IST







If you are planning to apply for a driving licence in Mumbai, be prepared for a long wait.

Believe it or not, those who applied for permanent driving licences for four-wheelers at the Andheri RTO on Tuesday were given appointments for August 16. This means they have to wait for six months to appear for their driving tests.

The minimum gap between date of application and date of appointment for permanent driving licences is two-three months at all three RTOs in the city, while the same for learning licences is two months.

According to sources in motor training schools, the earliest available appointments for

#### Unfriendly website drives many to RTO agents for learner's licence





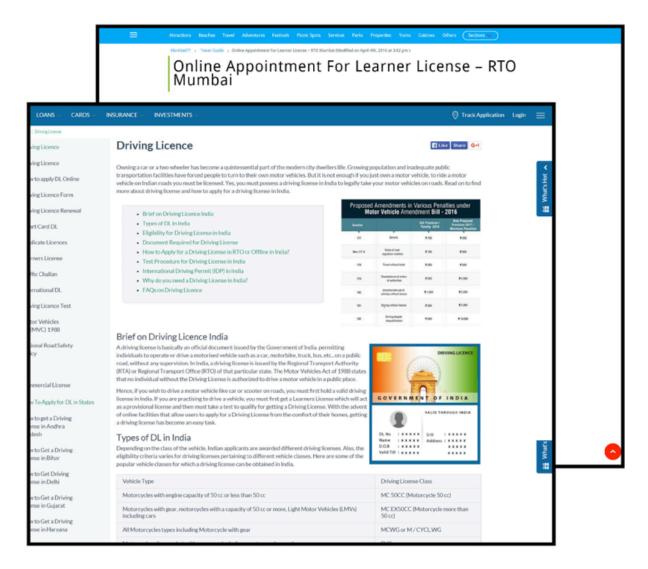
# Secondary Research

#### **Government Web Portals**



Maharashtra RTO Website

**Private Web Portals** 



Information about Driving License provided by private RTO Website

#### **Case Study**





Informative graphic board for RTO applicants

- Task based user test onducted with 5 user.
- With guide and without guide.

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Jsers interviewed 2	2
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- Office staff interview
- Private staff interviewed 2

1

Postman interviewed

- Task based user test onducted with 5 user.
- With guide and without guide

Users interviewed	2
Office staff interview	
Private staff interviewed	
Postman interviewed	

User test help to find out following points.

- Are user able to find out Driving License portal.
- User's Familiarity with computer and mobile device.

# Primary and Secondary Research Findings

- Lack of proper in-site infrastructure
- Unnecessary scattering of information
- Unclear information
   Unfriendly system
   Longer in-between time
- There is a Lack of awareness about existing online application portals
- No status tracking option

- People waste their lot of time to do inquiry
- People are scared to fill form.

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- People waste their lot of time to do inquiry
- People are scared to fill form.
- People get Influenced by their friends to take help from Driving school and Agents.
- They think mediator will save their time.

#### **Fees difference**

via agent

rupees

Themself

1500 323

rupees

minimum and it differs from

it dilicis iron

agent to agent

# Design Challenge

- Information Architecture
  - Cluttered information
  - Clear information (Process)
- Giving information in peoples hand
- Bringing the transparency

# Design Decision

Why Mobile Web App?

Mobile phones are used as a medium to reach many users as a web app.

Users are comfortable with mobile.

It will give **status** all time so they can use it in any situation.

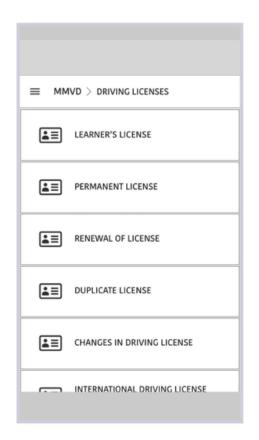
One time user.

- Process shoudn't cotatin too much info. It shoud contain essential information
- Users need to know the flow of information.

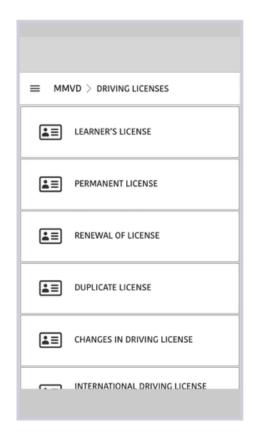
# Priliminary Design Idea

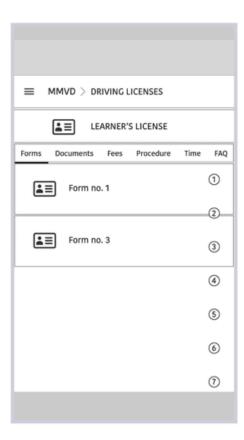


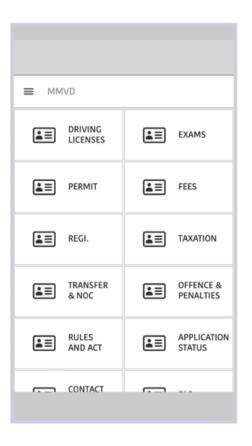


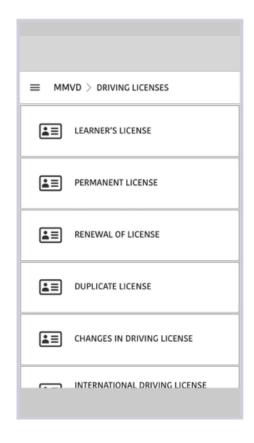


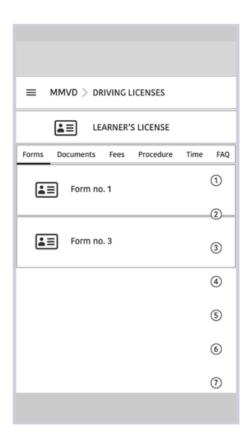




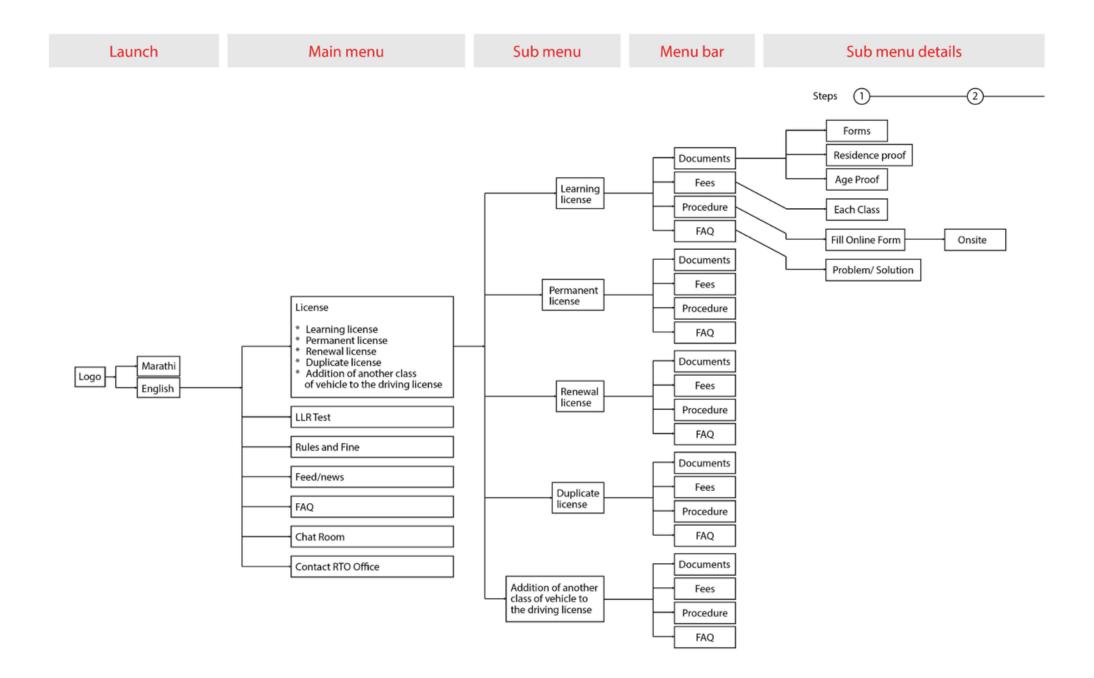




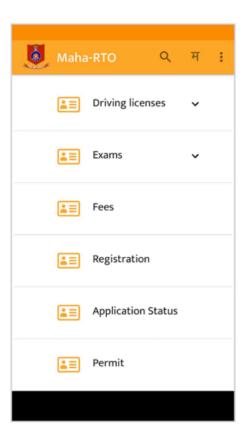


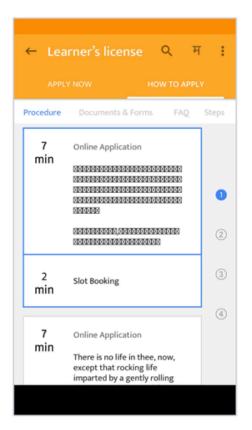


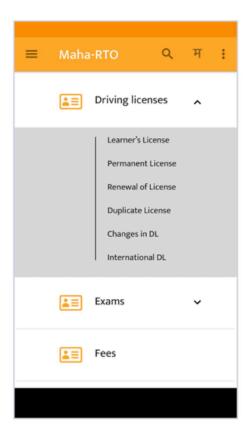
- Discused with classmates
- Difficult nevigation.



# Working Prototype







### Heuristic Evaluation

of Working Prototype

#### Goals

- People should apply independently
- Easily usable for low tech savvy
- Informative

Procedure

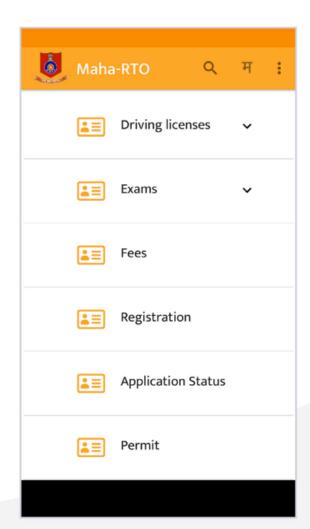
**Detailed Application Status** 

### Heuristic Evaluation

of Working Prototype

#### **Findings**

- Too many options on the landing screen.
   No categorization of sorts.
- Taxonomies are not well defined in the application.
   It can make user get lost in too much data.

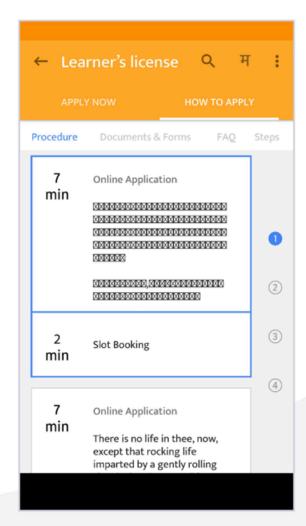


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#### **Findings**

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   No categorization of sorts.
- Taxonomies are not well defined in the application.
   It can make user get lost in too much data.
- Too many hierarchies which can cause user to get confused in the whole structure.
- The instructions, form elements are too verbal.

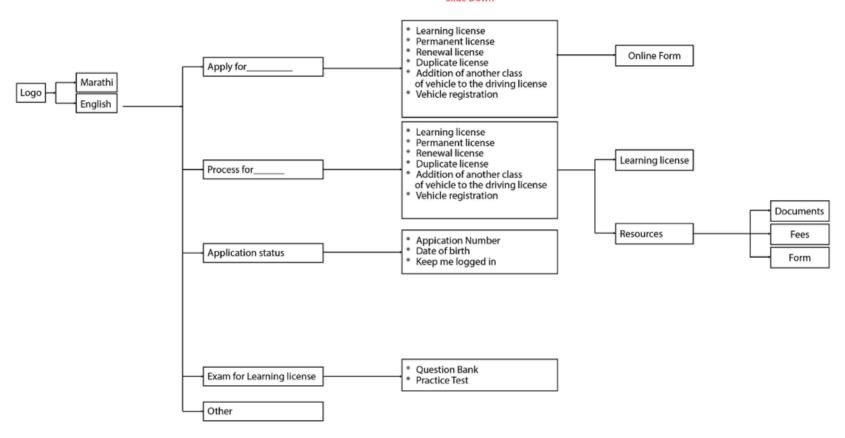


# Final Design

### Redefined Information Architecture

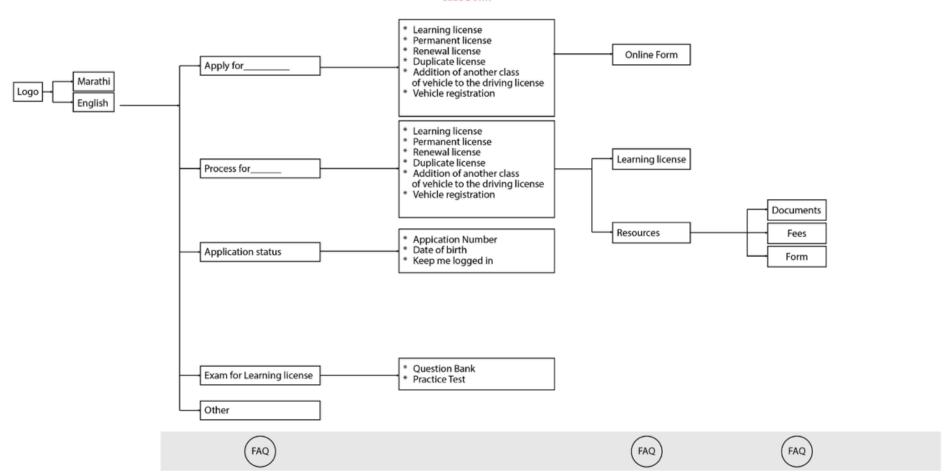
Launch Main menu Sub menu Menu bar Sub menu details

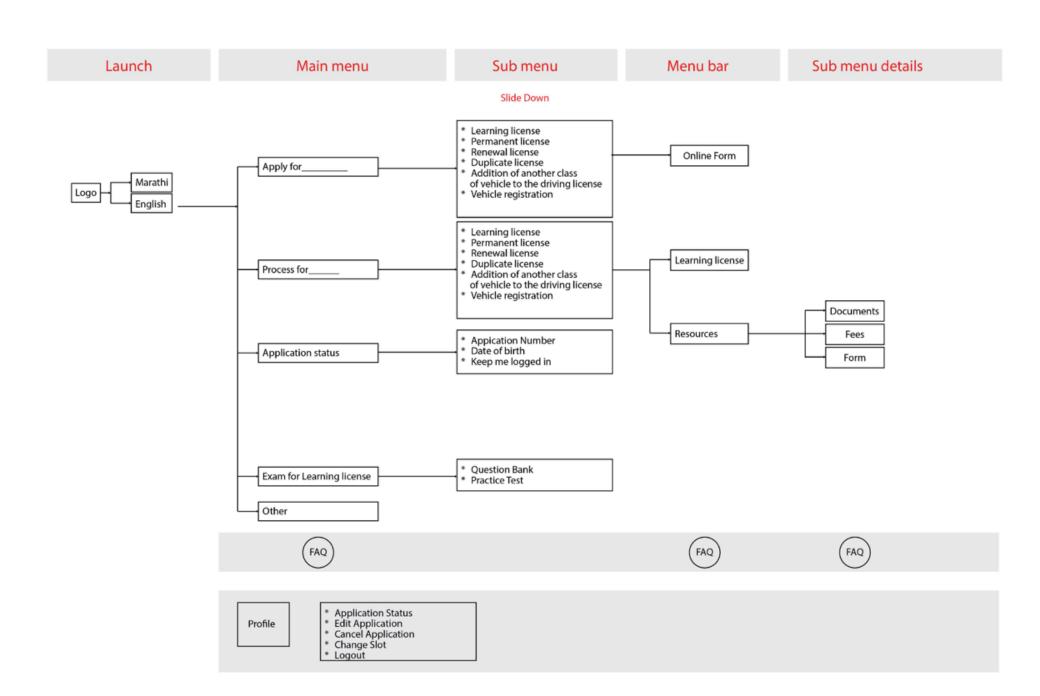
#### Slide Down



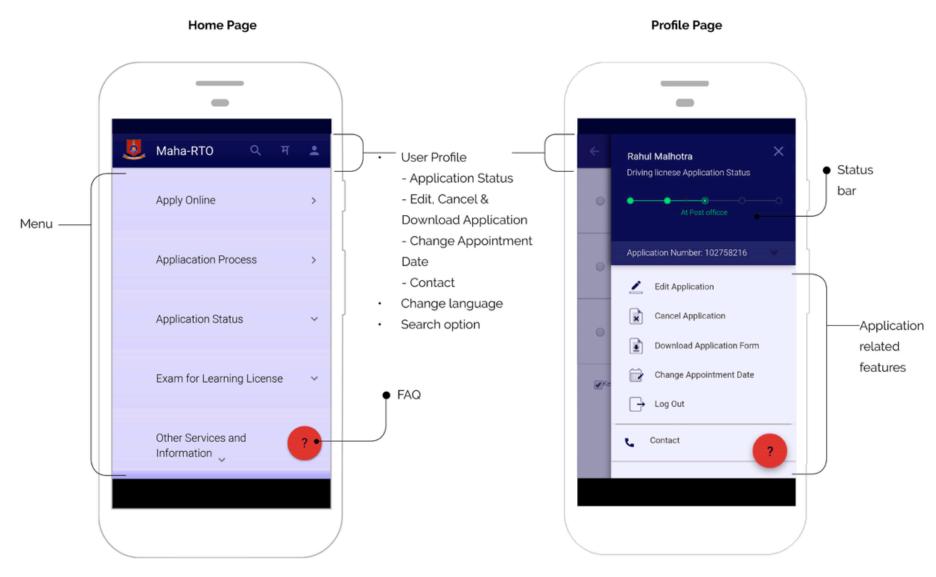
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#### Slide Down





# Final Prototype



Based on refined information architechure web application is created.

### Features

#### · (?) - FAQ

### Frequently asked questionsa bout RTO.

- · Where to file application?
- How do I start the application process for driving license?
- What is exam for learner's license? Whether any exemption is provided?
- Suppose I get a driving license in bangalore, will it be valid throughout India?
- · What happens if I fail the driving license test?
- What is the validity period for a Driving License in India?
- Should I produce a medical certificate to obtain a driving license in India?

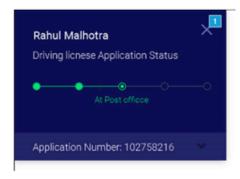
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- Status
- Applicants Profile



### Features

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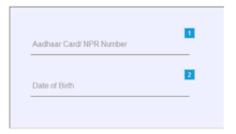


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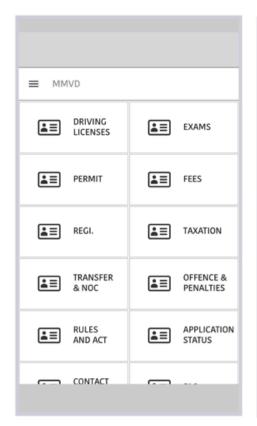


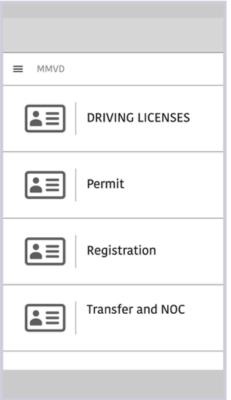
· Auto fill data in form

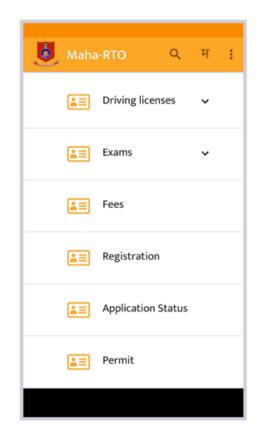
Fetching Data From Aadhar Database

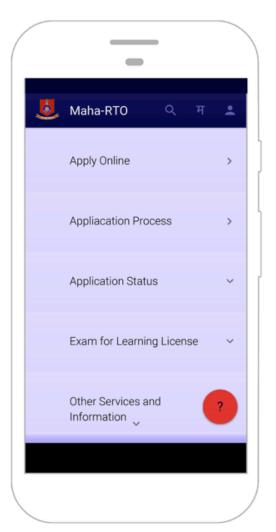


### Iterations









Based on old information architecture

### Evaluation

of Final Prototype

#### Goals

- People should apply independently
- Findable information

#### **Tasks and Questions**

- Apply for Driving License.
- Check your application status.
- What is your next step?
- What is the fee for Driving license?

## Evaluation

of Final Prototype

#### **User Group Tested and Interviewed**

Non-Tech Savvy		Tech Savvy		Overall	
AVERAGE	SD	AVERAGE	SD	AVERAGE	SD
9.50	1.73	11.00	3.61	10.14	2.36

## Evaluation

of Final Prototype

#### **Findings**

• Low tech-savvy people

### Future Plan

- Translate the web application in other languales
- Development of the web application.
- · A Longer evaluation of the web application after development

### Need to be done in future

Tracking system