TOLL PAYMENT SYSTEM

Tolle
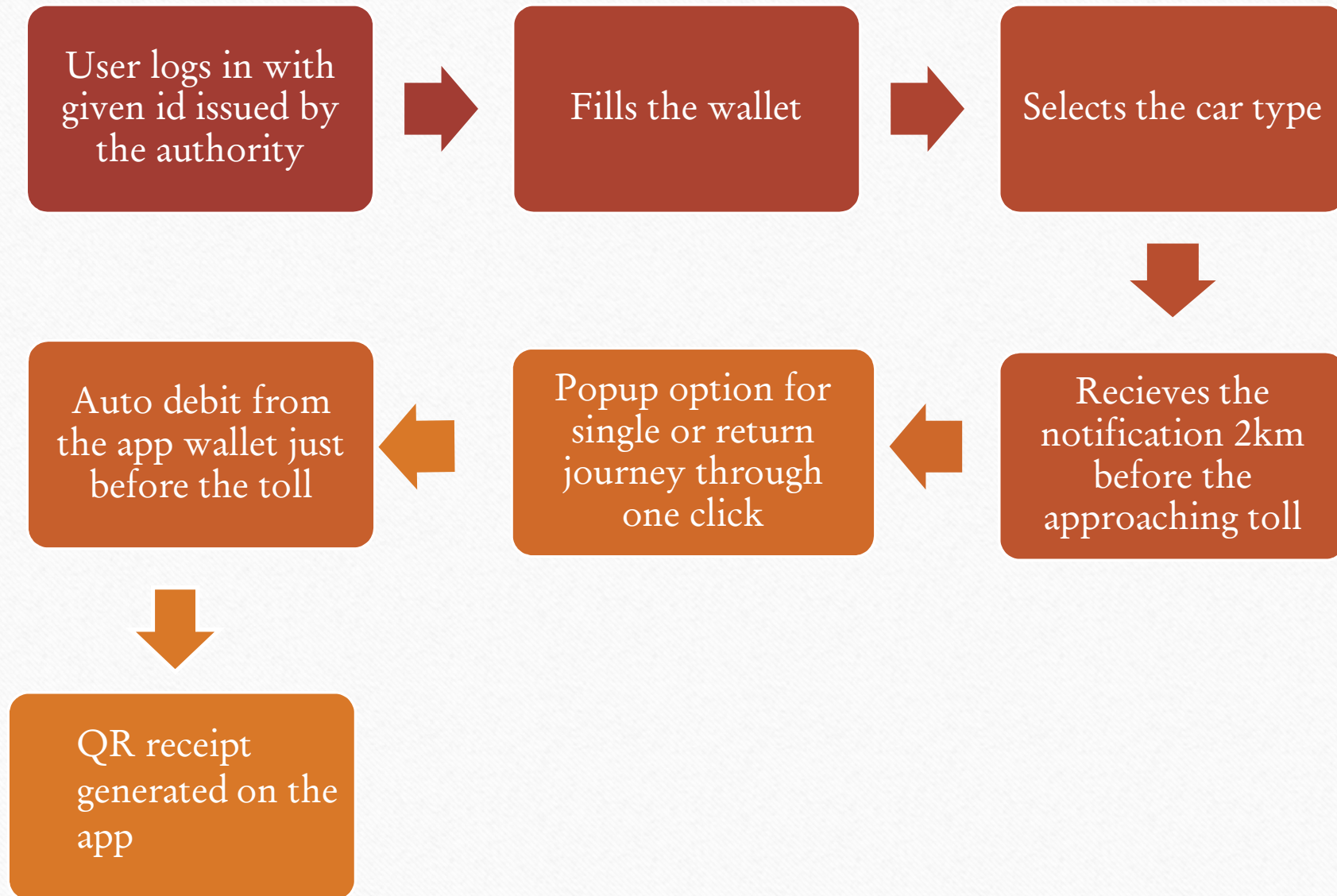
MINISTRY OF ROAD AND HIGHWAYS

TaskForce141
Team ID – 10141
#RH3

AUTOMATING THE TOLL SYSTEMS IN INDIA TO REDUCE THE WAITING TIME AT TOLLS

Problem statement

- 1-2 km before the toll plaza a notification will be received on the mobile phone of the approaching user of the tollname and the amount of applicable toll fee
- Payment can be facilitated through mobile wallets and credit card payment integration, e-receipt is generated with QR code which can be shown at the toll booth
- A list of all toll plazas and respective services to be made available in the app
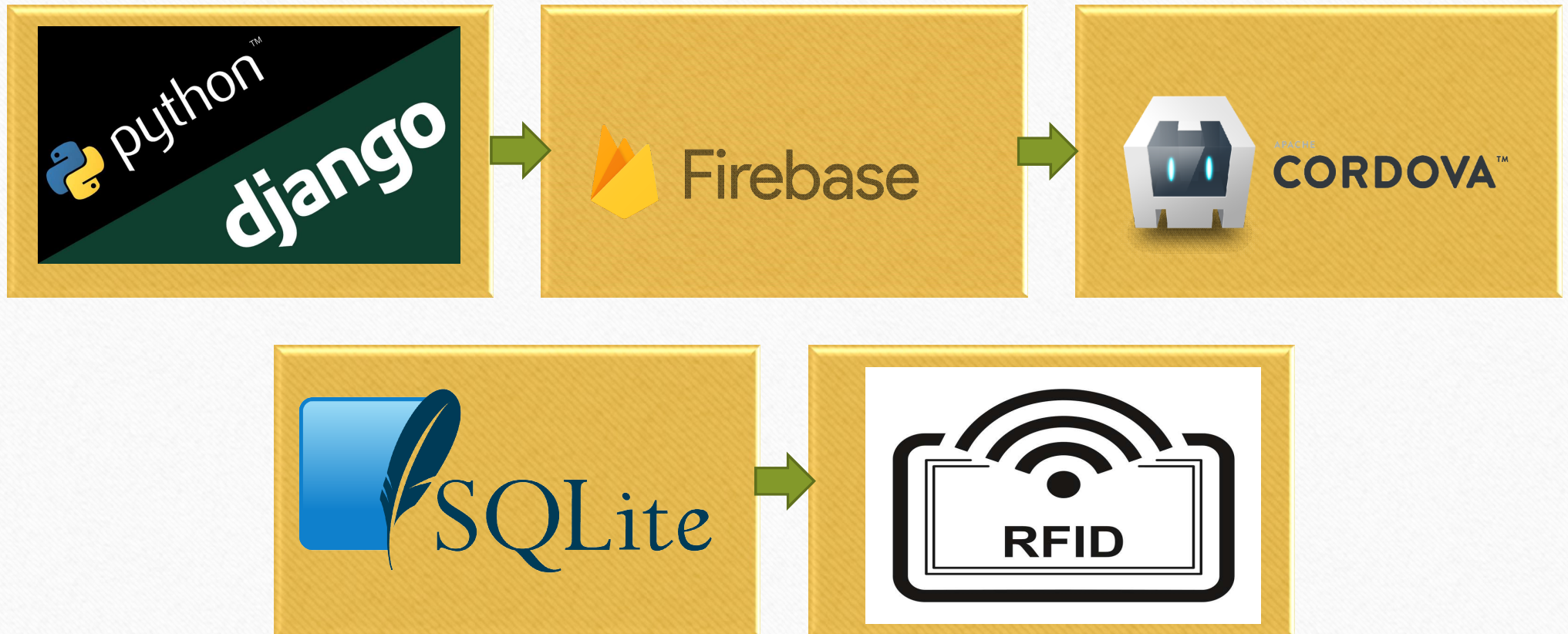
workflow

User logs in with given id issued by the authority → Fills the wallet → Selects the car type →

Recieves the notification 2km before the approaching toll

Popup option for single or return journey through one click → Auto debit from the app wallet just before the toll →

QR receipt generated on the app

➢ Completely open source
➢ Simple and flexible UI & intuitive
➢ One click payment
➢ Provision for Payment through UPI as
well as wallets along with payment gateway
➢ Provision for company login in case of PPU projects
➢ Reduction in malpractices (eg- person with a car and a truck)
➢ This model is cheap and durable
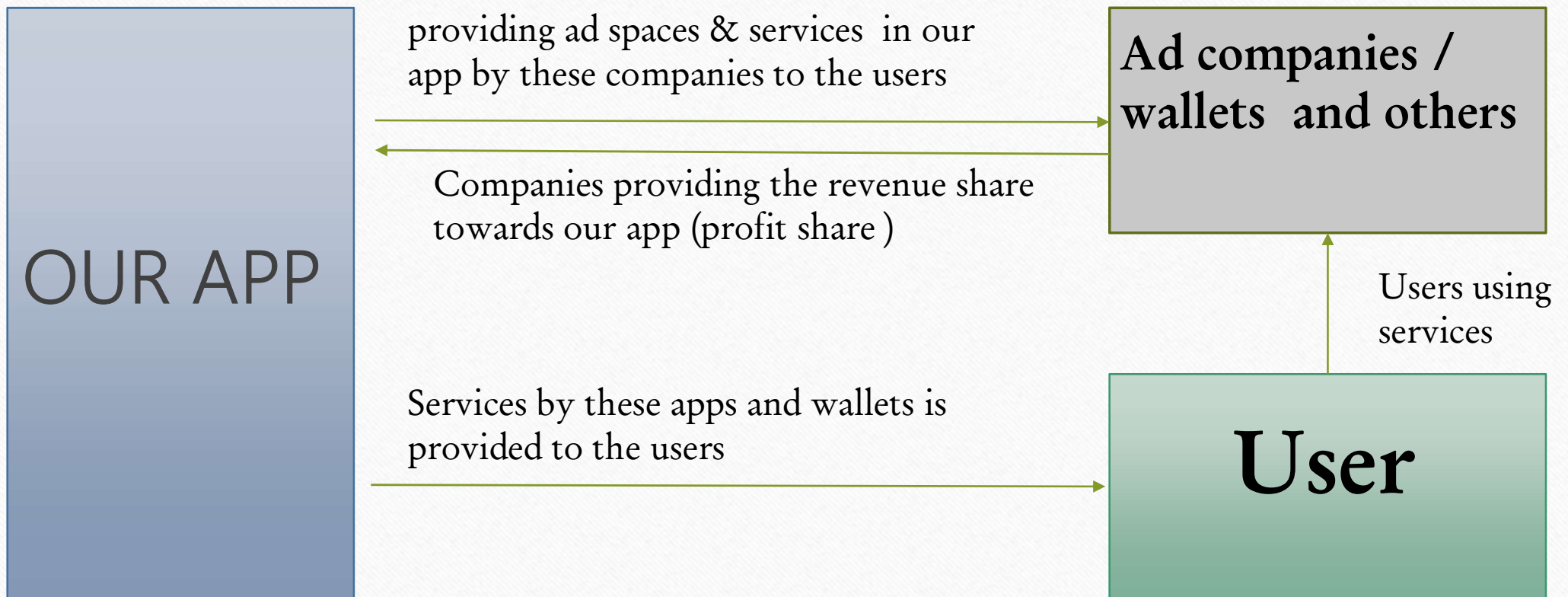➢ New technology might be available in future but this wont get obsolete

USP

Features

- Easy adaptability
- Responsive design
- Easy transaction management for the ministry
- Transparency
- Minimal human intervention

WHY US?

- Completely Open source
- Completely free hardware and the software (only implementation charges)
- Can be used throughout india irrespective of type of toll plaza (PPU & MOT)
- In app facility for emergency services

Revenue model

OUR APP

providing ad spaces & services in our app by these companies to the users

Companies providing the revenue share towards our app (profit share)

Ad companies / wallets and others

Users using services

Services by these apps and wallets is provided to the users

User

FUTURE PROSPECTS

Unmanned tolls in india
Nonstop rides