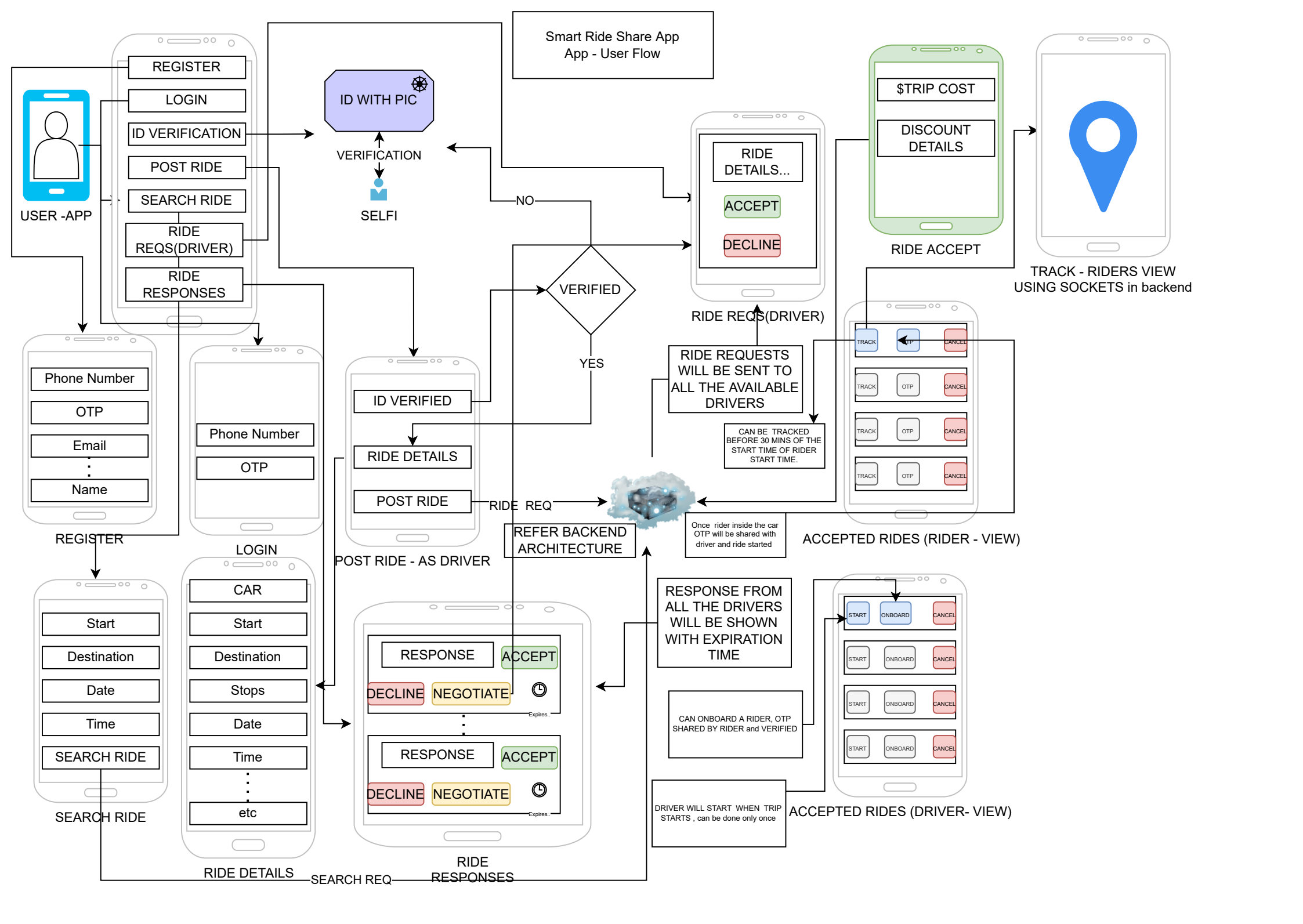
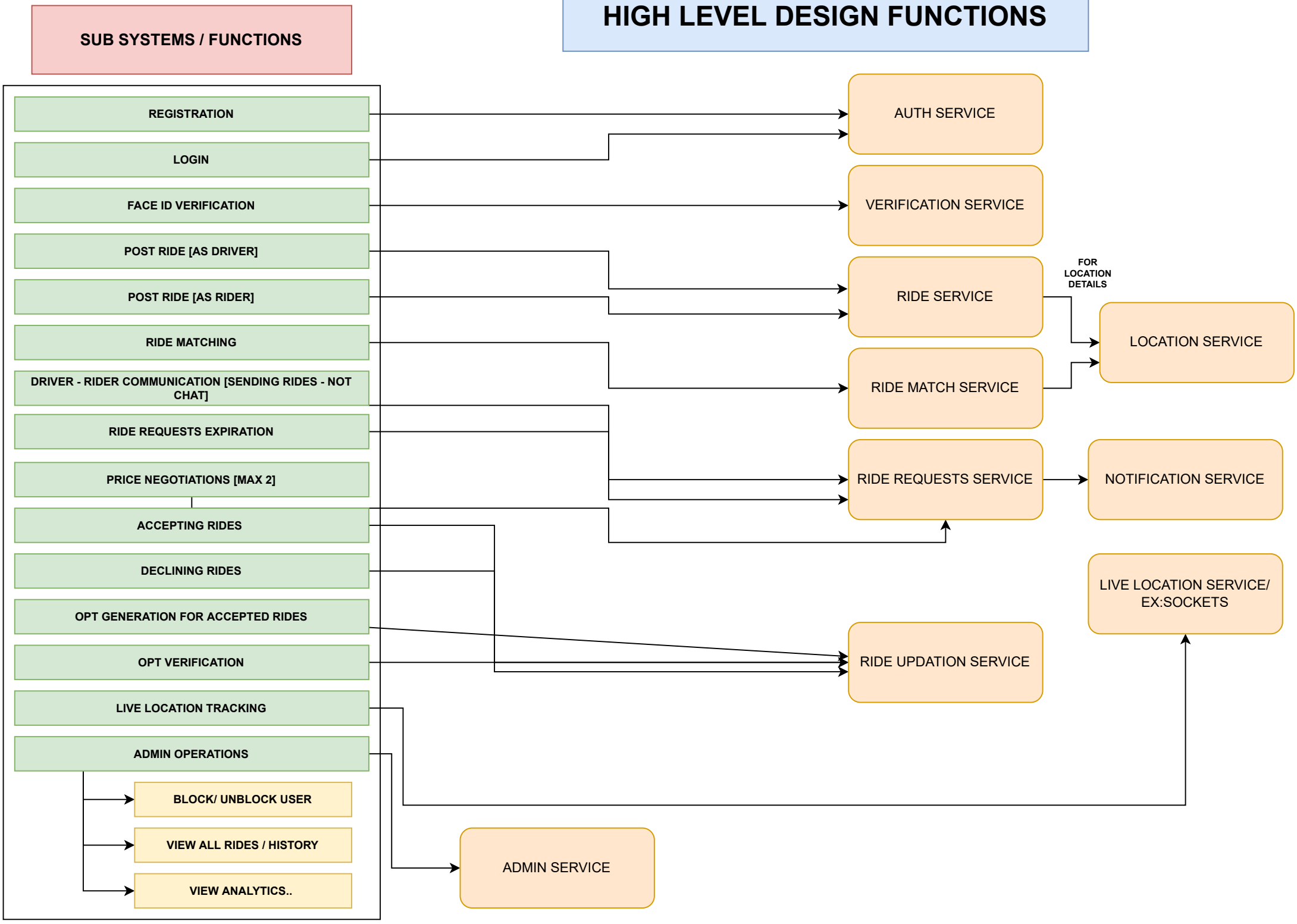

Smart Ride Share App
App - User Flow
REGISTER
LOGIN
ID VERIFICATION
POST RIDE
SEARCH RIDE
RIDE REQS(DRIVER)
RIDE RESPONSES
USER -APP
ID WITH PIC
VERIFICATION
SELFI
NO
VERIFIED
YES
RIDE DETAILS...
ACCEPT
DECLINE
RIDE REQS(DRIVER)
$TRIP COST
DISCOUNT DETAILS
RIDE ACCEPT
TRACK - RIDERS VIEW
USING SOCKETS in backend
Phone Number
OTP
Email
Name
REGISTER
Phone Number
OTP
LOGIN
ID VERIFIED
RIDE DETAILS
POST RIDE
POST RIDE - AS DRIVER
RIDE REQUESTS WILL BE SENT TO ALL THE AVAILABLE DRIVERS
CAN BE TRACKED BEFORE 30 MINS OF THE START TIME OF RIDER START TIME.
RIDE REQ
REFER BACKEND ARCHITECTURE
Once rider inside the car OTP will be shared with driver and ride started
TRACK
OTP
CANCEL
ACCEPTED RIDES (RIDER - VIEW)
Start
Destination
Date
Time
SEARCH RIDE
SEARCH RIDE
CAR
Start
Destination
Stops
Date
Time
etc
RIDE DETAILS
RESPONSE
ACCEPT
DECLINE
NEGOTIATE
Expires..
RESPONSE
ACCEPT
DECLINE
NEGOTIATE
Expires..
RIDE RESPONSES
SEARCH REQ
RESPONSE FROM ALL THE DRIVERS WILL BE SHOWN WITH EXPIRATION TIME
CAN ONBOARD A RIDER, OTP SHARED BY RIDER and VERIFIED
DRIVER WILL START WHEN TRIP STARTS , can be done only once
START
ONBOARD
CANCEL
ACCEPTED RIDES (DRIVER- VIEW)

HIGH LEVEL DESIGN FUNCTIONS



DATABASE HIGH LEVEL DESIGN - MongoDB

USERS | **RIDES** | **RIDE_REQUESTS** | **RIDES_AR** | **RIDE_REQUESTS_AR** | **VERIFICATIONS** | **RIDE_MATCHES** | **NOTIFICATIONS** | **OTP**

ARCHIVES

UID	OBJECTID
PHONE	STRING
FIRSTNAME	STRING
LASTNAME	STRING
PHONE_VERIFIED	BOOL
FACE_ID_VERIFIED	BOOL
LAST_LOCATION	GEO_POINT

RIDEID	OBJECTID
UID	OBJECTID
START	GEO_POINT
DESTINATION	GEO_POINT
STOPS? IF_RIDE_TYPE=DRIVER	GEO_POINT[]
RIDE_TYPE	ENUM[DRIVER, RIDER]
RIDE_DETAILS	OBJECT
STATUS	ENUMS

ACCEPTED, DECLINED, STARTED, COMPLETED,IN_REQUESTS,CANCELLED

REQUESTID	OBJECTID
REQUESTERID	OBJECTID
REQUESTEEID	OBJECTID
RIDEID	OBJECTID
NEGOTIATIONS	OBJECTS[]
ISNEGOTIATED	BOOL
STATUS	ENUMS

ACCEPTED, DECLINED, NEGOTIATED

EXPIRATION

VERIFICATIONID	OBJECTID
UID	OBJECTID
AES_REKOGNITIONID	UID
DATETIME	DATE

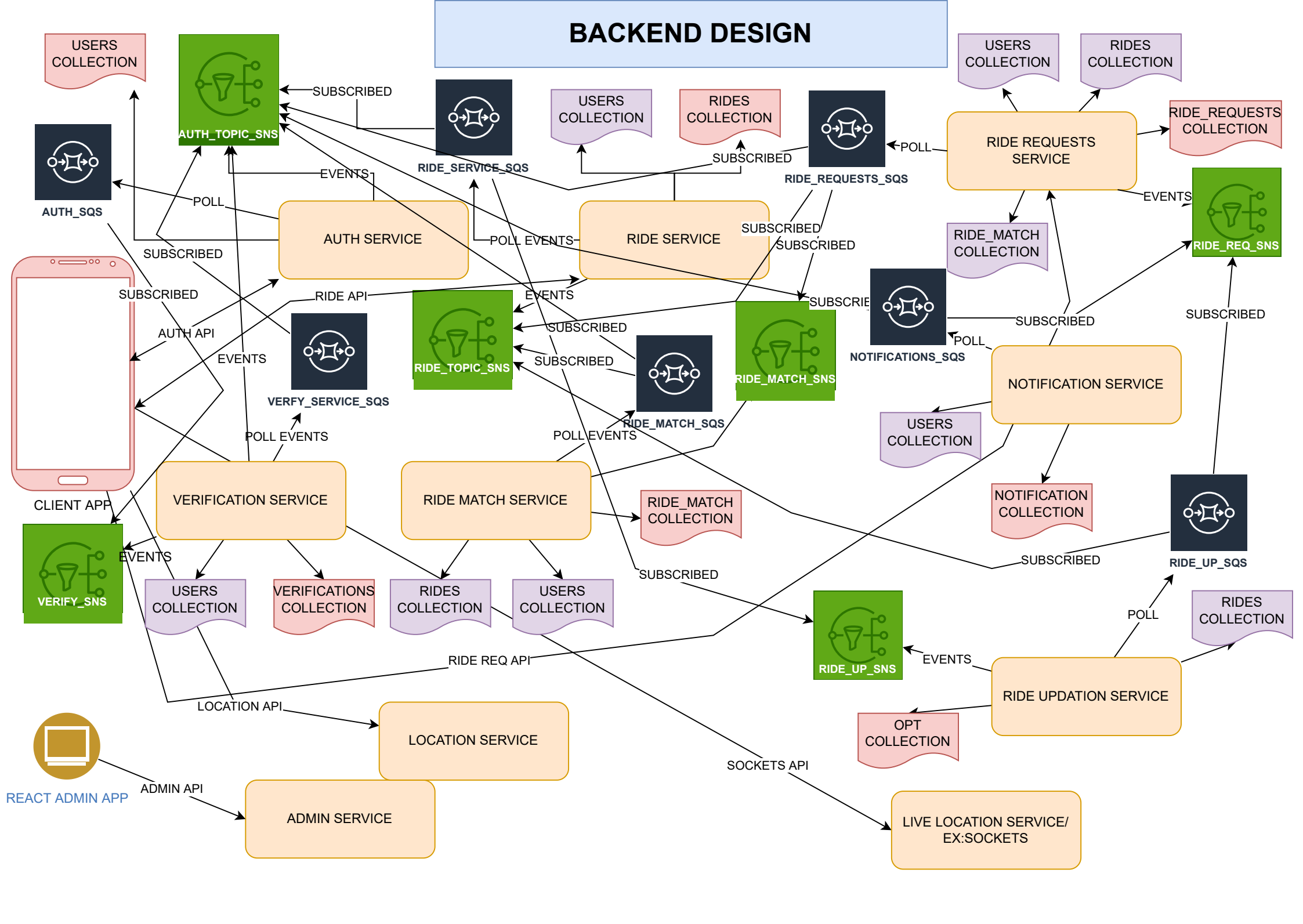
ID	OBJECTID
DETAILS	OBJECT
RECEIVERID	UID
STATUS	ENUM

MATCHID	OBJECTID
RIDEID	OBJECTID
MATCHEDDRIVERS	OBJECTID[]
STATUS	ENUM

CREATED, IN_PROGRESS,COMPLETED

ID	OBJECTID
OTP	STRING
RIDEID	OBJECTID
STATUS	ENUM

INITIALLY DRIVER WILL GIVE THE AMOUNT IN FIRST REQUEST, RIDER CAN ABLE TO NEGOTIATE ONCE. IN TOTAL TWO NEGOTIATIONS


BACKEND DESIGN
USERS COLLECTION
AUTH_TOPIC_SNS
SUBSCRIBED
RIDE_SERVICE_SQS
USERS COLLECTION
RIDES COLLECTION
RIDE_REQUESTS_SQS
POLL
USERS COLLECTION
RIDES COLLECTION
RIDE REQUESTS SERVICE
RIDE_REQUESTS COLLECTION
AUTH_SQS
EVENTS
POLL
AUTH SERVICE
POLL EVENTS
RIDE SERVICE
SUBSCRIBED
SUBSCRIBED
SUBSCRIBED
EVENTS
RIDE_MATCH COLLECTION
RIDE_REQ_SNS
SUBSCRIBED
RIDE API
EVENTS
SUBSCRIBED
RIDE_TOPIC_SNS
SUBSCRIBED
RIDE_MATCH_SNS
NOTIFICATIONS_SQS
SUBSCRIBED
SUBSCRIBED
AUTH API
EVENTS
VERFY_SERVICE_SQS
RIDE_MATCH_SQS
POLL
NOTIFICATION SERVICE
USERS COLLECTION
POLL EVENTS
POLL EVENTS
CLIENT APP
VERIFICATION SERVICE
RIDE MATCH SERVICE
RIDE_MATCH COLLECTION
NOTIFICATION COLLECTION
RIDE_UP_SQS
EVENTS
VERIFY_SNS
SUBSCRIBED
SUBSCRIBED
USERS COLLECTION
VERIFICATIONS COLLECTION
RIDES COLLECTION
USERS COLLECTION
RIDE_UP_SNS
POLL
RIDES COLLECTION
RIDE REQ API
EVENTS
RIDE UPDATION SERVICE
LOCATION API
LOCATION SERVICE
OPT COLLECTION
SOCKETS API
REACT ADMIN APP
ADMIN API
ADMIN SERVICE
LIVE LOCATION SERVICE/ EX:SOCKETS