Our First Idea

First Idea: Educational platform/ Schoolbox

Summary of idea.
By embracing a centralized learning environment learning process can operate more efficiently. With the proper system in place, your teachers, and students can effectively engage while saving time and frustration.

Schoolbox offers this by letting your entire learner community connect on one platform through a single login. This enhances the experience for everyone involved.

Teachers can streamline their work by collaborating when setting up class resources, identifying students needing assistance, posting updates to students, and assessing work. All without ever having to leave Schoolbox.
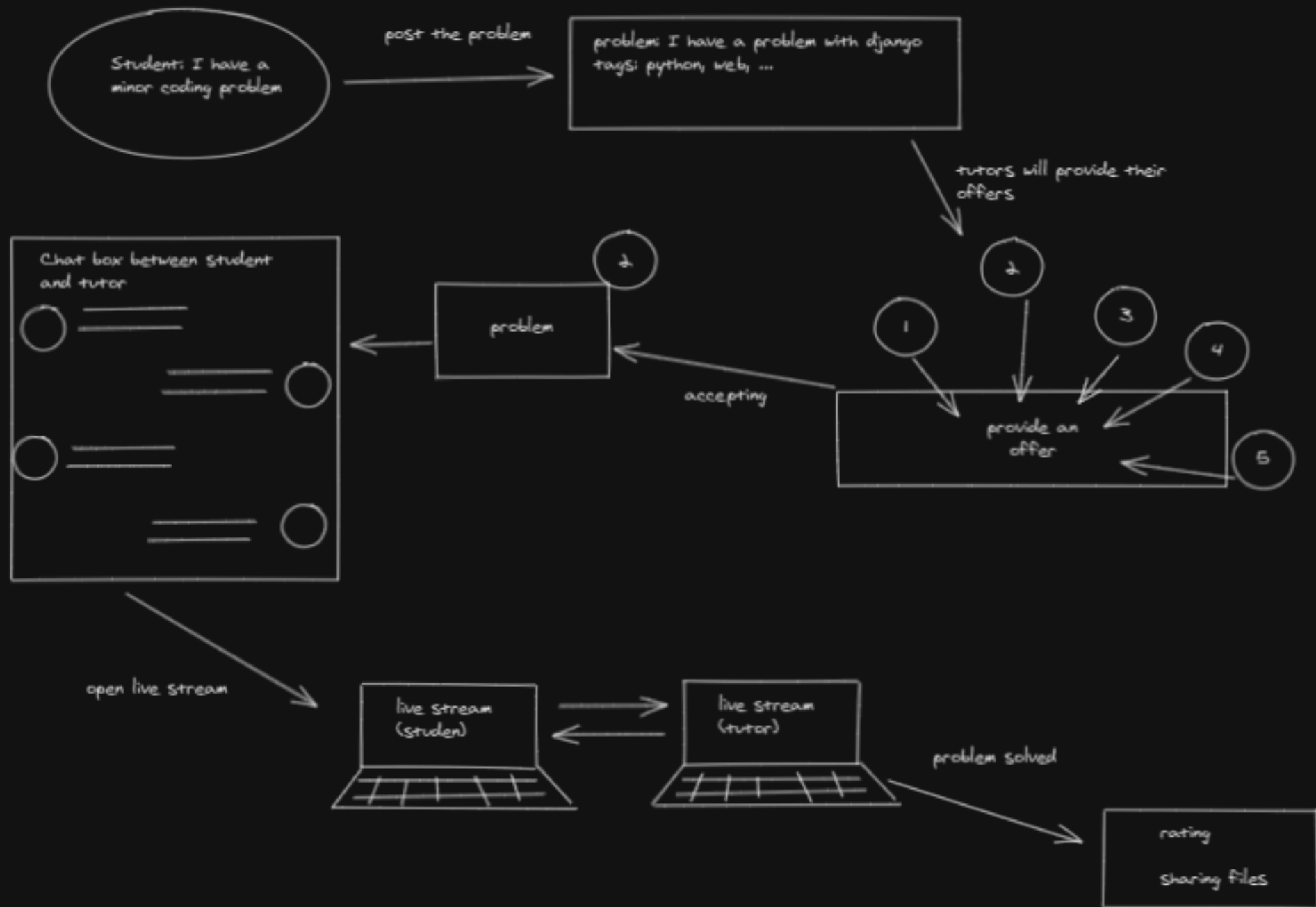
Students can take an active role in their learning by being able to view timetables, see assigned work, submit assignments and manage extracurricular activities.

database tables (Django models):

- students table -> all student info
- tutors table -> all tutor info
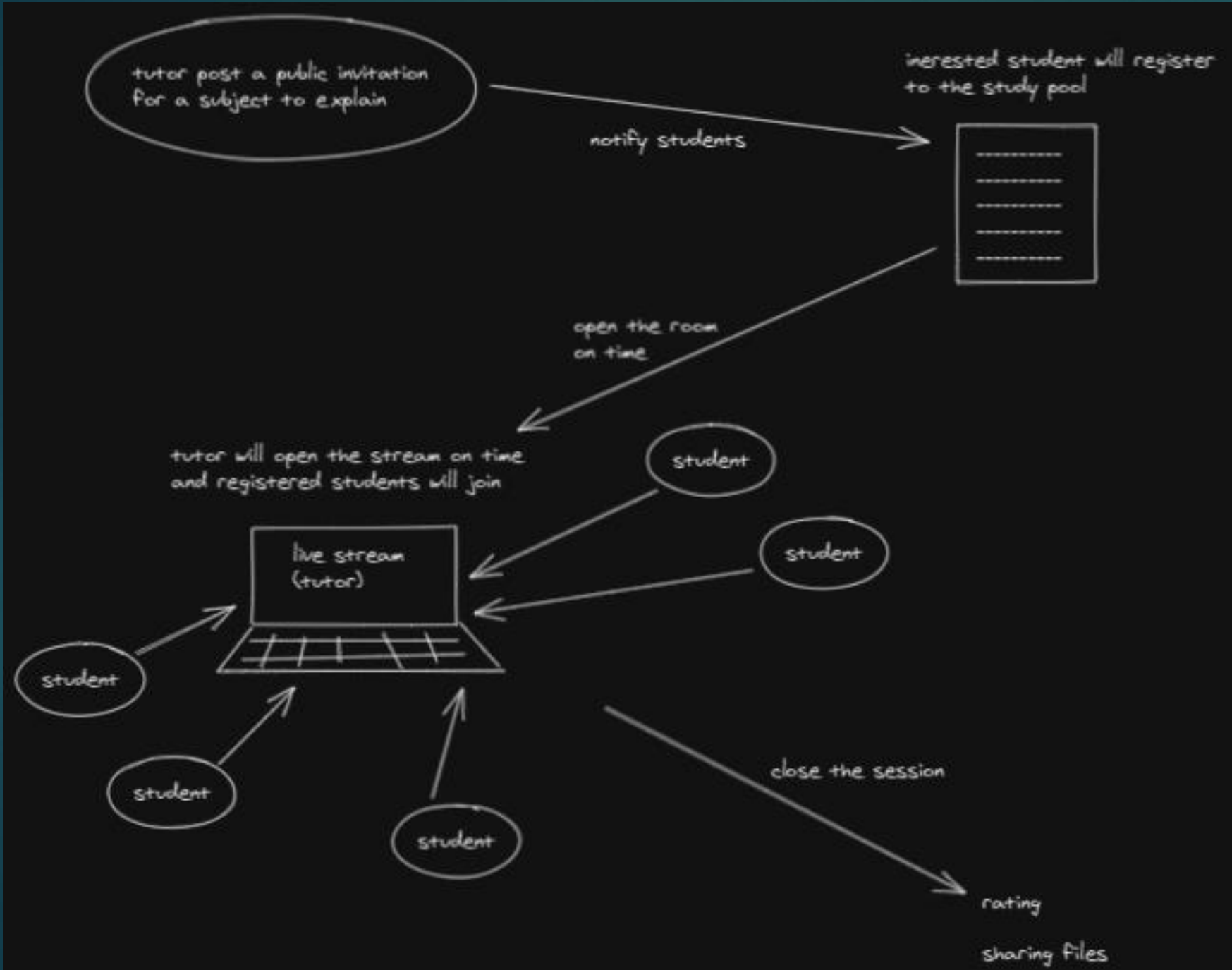- problems table -> title, description, student and tutor, state of the problem

UI pages (Django templates):

- sign-in/sign-up page design
- main page for student
- main page for tutor
- virtual room design
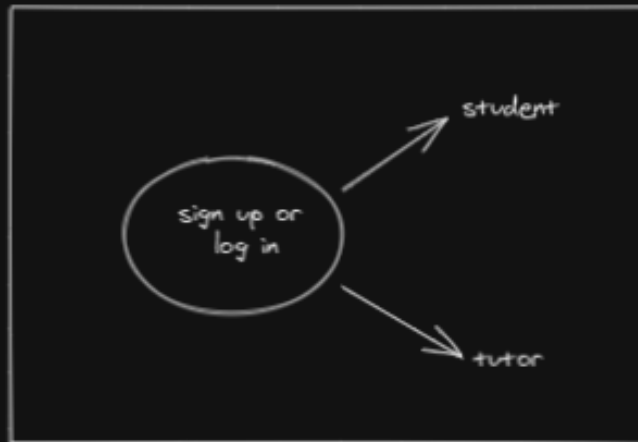- virtual study-pool design
- problems dashboard

How the system working

How the system working

Sign-in & Sign-up pages

Initial page

sign up or
log in

→ student

→ tutor

sign-up page

for student:
- name
- email
- birthday
- country
- bio
- picture
- tech skills and languages
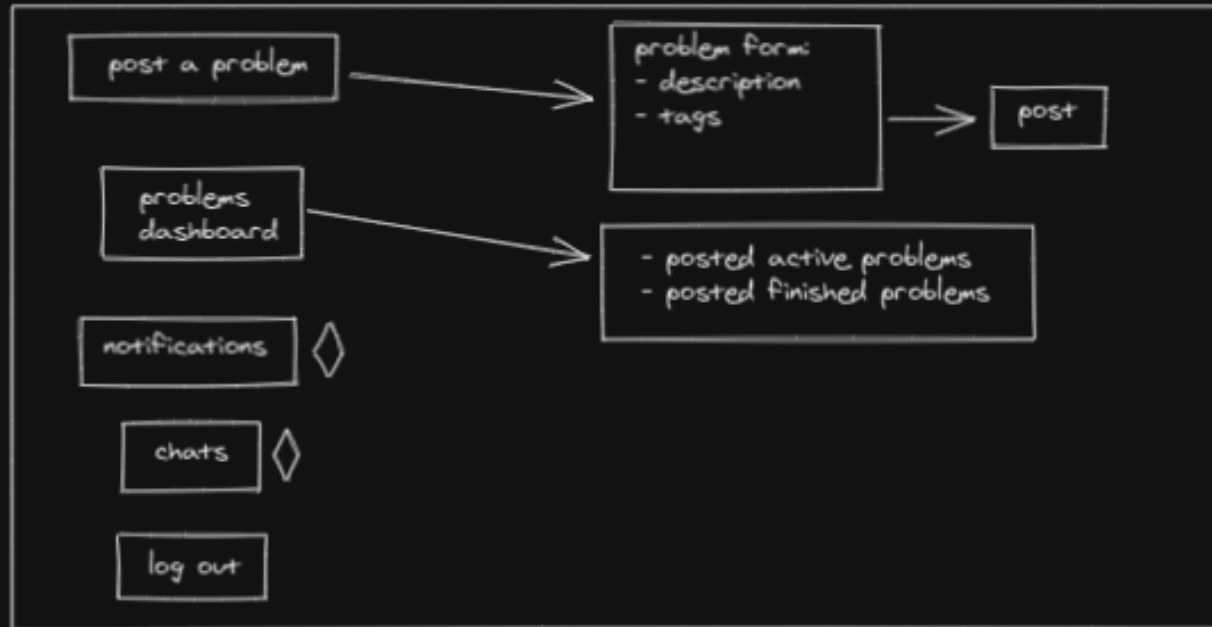- URLs for other accounts
- available hours

for tutor:
- name
- email
- birthday
- country
- bio
- picture
- tech skills and languages
- URLs for other accounts
- available hours
- experience
- education
- projects (names and descriptions)
- price per session (in points)
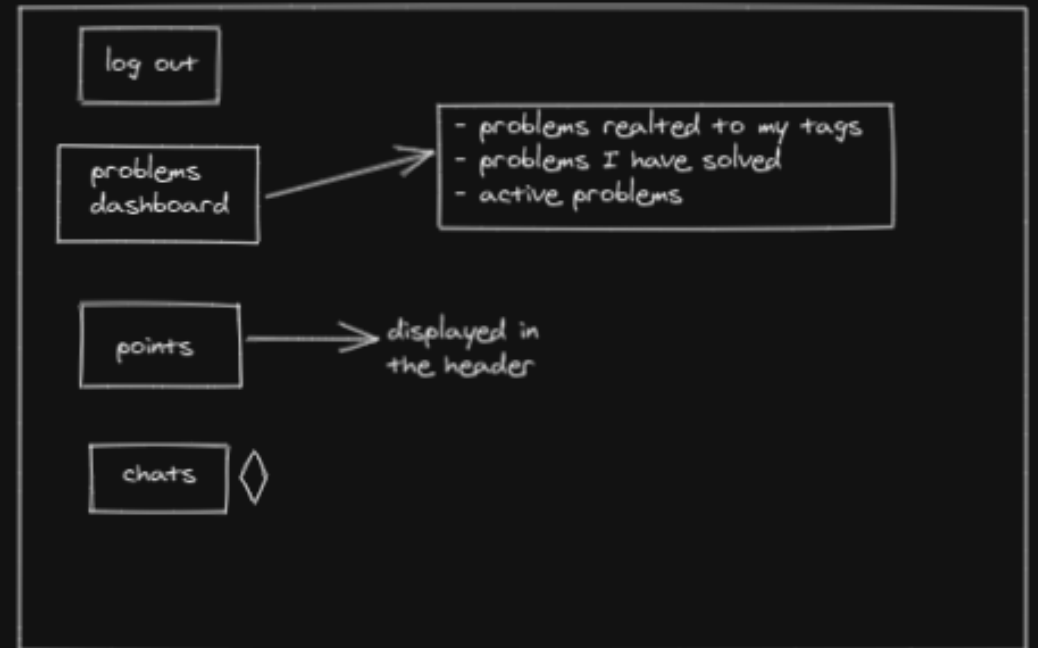
added by the website for the tutor:
- rating
- number of solved problems

Student main page

Virtual room & the problem page

virtual room

- windows for both student and tutor with their names
- controller buttons for the video call (share screen, leave, mute)
- description of the problem
- (solved) button -> only for tutor
- (comment) section -> only for student to write how did they slove it

problem page

if it was only posted →
- name of the student who posted it
- details of the problem
- cliam button (only for tutors)
- offers by tutors (only for student)

if it was claimed →
- names of both student and tutor
- details of problem
- (join room) button
- (close problem) button -> only for tutor

if it was closed →
- names of both student and tutor
- details of problem
- date of solving
- comment by student (how did we solve it)

Our Second Idea

Problem: / waste management system
- we have many wastes (trash) around the city
- types of wastes: electrical, plastic, metal, food, glass, paper ...

Solution:
- build a waste management system that manages collecting the waste
  and sell them to the distribution points
- distribution points: farms, electronics stores, factories, ...

Features:
- people report that they have wastes and it will be represented as a pin
  on the map that will be sent to the website
- the company will send collectors to go to the reported locations and collect
  the wastes to put them in the main company
- the company will contact the distribution points and send trucks with
  the correct type of wastes
- the system will manage the connection and the distribution between the
  people, the collectors, the distribution point's guys

- When is the collection day? (residents can sign up for alerts and reminders and access garbage and recycling schedules from the county's service providers.)

- service interruptions, locations for materials disposal and recycling and more.

- Can links neighbors with each other and local businesses to exchange edible surplus food. This app allows users to upload photos, descriptions, prices (if applicable) and pick-up information for surplus food items. Users can also browse for food in their area and arrange a pick-up via private messaging.

- Users can also access real-time tracking, and commercial users have the option to schedule weekly or daily pick-ups.

- educates residents about recycling by breaking down what to recycle, how to recycle, how to safely dispose of items and where to take them.

How the system working

- GPS Tracking Monitoring
- Barcode Tracking Module
- Real-Time Location & Activity Tracking
- Live-Streaming Vehicle Cameras
- Waste Movements
- Storage Units
- Waste Profiles
- Weighing Waste
- Self-diagnosis
- Real-Time Reports
- Historical Data
- Reminder & Escalation
- Work Order Tracking
- Solution Bank

Admin Panel	General Public	Driver
Login	Register	Login
Create Garbage bin	Login	Check daily work updates
Update/Delete garbage bin	Register complaint	Choose best route
Assign best route for drivers	My complaint & status	Update garbage load
Manage driver		
View Garbage Report		
View complaints from public		

Here is the basic features of smart management app

Our Third Idea

Problem: / transportation management system (TMS)- مشروع باص عمان.

Since there is no clear information on the locations of the bus stops and when they are open, we require a transportation management system (TMS)- مشروع باص عمان.

Solution:
The answer is a web application that can arrange the transportation procedure for what we previously mentioned in a more practical and elegant method to make it simple for individuals to attain and adhere to the standards of other nations.

Features:
You may have a thorough understanding of how the bus system in our nation operates, including how to locate, reserve, and pay for buses. Additionally, you may avoid traffic by merely outlining the most efficient route/ plan.

- Since Jordan does not have such an app, it will be a wonderful addition to the new project that the government has filed for and they may collaborate in unison.