I want you to make web application knowing the following information: -

Purpose: productivity tool to simplify tracking of steel structure processes like fabrication, dispatching, delivering and installation statues

Functionality: user registration/login, search functionality, data storage, real-time updates, tracking for items statues, create reports, dashboard, user roles.

Target Audience: this will be internal system to track processes so targeting project managers, Engineers, supervisors and technicians.

Design Preferences: colors should in gradient of blue and white.

Technology Stack: no any previous Data: data from user inputs should be stored, the type of data is name of steel members and dates of its dispatching, delivering and installation.

Budget and Timeline: no budget or timeline in my mind for the development of my web application.

Mobile Responsiveness: yes, I need my web application to be accessible and usable on mobile devices as well.

Development environment: windows.

Programming language: python

Database to be used: PostgreSQL

First all of steel members with its related (cutting list number, quantities, weight per one piece, surface area per one-piece, total weight should be calculated automatically and also total surface area) will be add by project manager after that each department should update the statue

Fabrication department represented by fabrication engineer will update fabrication statue including fabrication date and fabrication release number.

Dispatch department represented by Dispatch engineer will update Dispatch statue including Dispatch date and delivery number.

Project department represented by site engineer and supervisor will update receive statue including receive date and site receive number.

Again, they will update installation statue with all steps which should be implemented by project manager in early stage including each step date

For Search Criteria: should allow search by any of column header same as filter and the ground total of column should be updated accordingly also we need to allow bulk edit for each department

Reports: we need to make like delivery note report, fabrication release report …. Etc. for each department and additional can report total project statue in grant charts like delivery per date or installation rate or overall project report with all process statue compared with total with percentage chart

User Roles: each department representative should have his role to update his statue only and not to view other statues and can generate report for his department only.

It is better to make admin can modify the abilities for each role and define new roles

Review and test the provided project totally first and then Make your modification to build the total required application and instruct me how to make work on my host with minimum steps as possible as you can, IF any additional information required don't hesitate to ask me before start.

Start with this information and any additional missing information will be provided

Use following link to start with

<https://prod.liveshare.vsengsaas.visualstudio.com/join?C54164F66AEEF4A0E3E3546605A7C77458D0>