

Backend Dev Assignment

Estimated time of completion: 3 days.

Task 1.

Develop a simple application Django that generates invoices in fairly simple format.

Format for reference can be found at the end of the PDF (page 3).

You can make a model for items and other details as per your convenience. The application must facilitate the following API(s):

1. GET: get the list of available items with details such as (name, price, description).
2. POST: to send the list of items to buy with corresponding quantities.
3. PUT: to update the list of items in the purchase list.
4. GET: get the invoice for the purchase in pdf format as per the above format but with all the necessary details filled dynamically.

Task 2:

Describe a stepwise methodology using pseudocode/specific code to auto generate a list of products/items with low stock/expiry from the inventory database. The list must be updated at 12 A.M. daily.

NOTE: "If successfully implemented with the task 1 application will help you earn bonus points."

Task 3:

Configure and deploy the Task 1 application to any open and free hosting service like Heroku/Pythonanywhere. Add the link to the project.

Task 4:

Suppose we have two websites with different database schema and we have to keep data of the user table the same in both databases, suppose we add one user in the first website then it should automatically be added in another website and vice versa. How can we do that using Django?

**Submission:**

1. Keep the codebase on GitHub and share the link with us.
2. Share the hosted link of the assignment with us
3. Write a short Readme file on GitHub for the project.
4. Share all the necessary documents and links on the same mail chain of this task.

Expectations:

1. Error handling & validation should be robust to handle any scenario.
2. The standards you follow to write your code would play a good role in increasing your chances.

Good luck :)

Paradigm Shifting Data Security

Thank you for shopping with us!