



# HUAWEI

Interview Task | Python Developer

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# Pizza Sales Prediction

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Huawei | Interview task.

## Overview

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The owner of a pizza restaurant wants an online web application that predict the future pizza sales of the restaurant. This prediction will be calculated over the past sales data of the restaurant.

## Requirements

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The restaurant owner wants the web application has the following features;

1. Should have a user management system (login/logout/profile pages).
2. Should have task management system and a task should be created for each analysis. When creating a task following attributes will be used as inputs;
  - task name
  - data file for past pizza sales **pizza-sales-data.xlsx**
  - the number of month to be predicted(prediction step),
3. After prediction successfully finished, the owner wants to see comparison of past sales data and predicted sales data for each pizza category visually,
4. Should be able to export result data.

## General Expectations

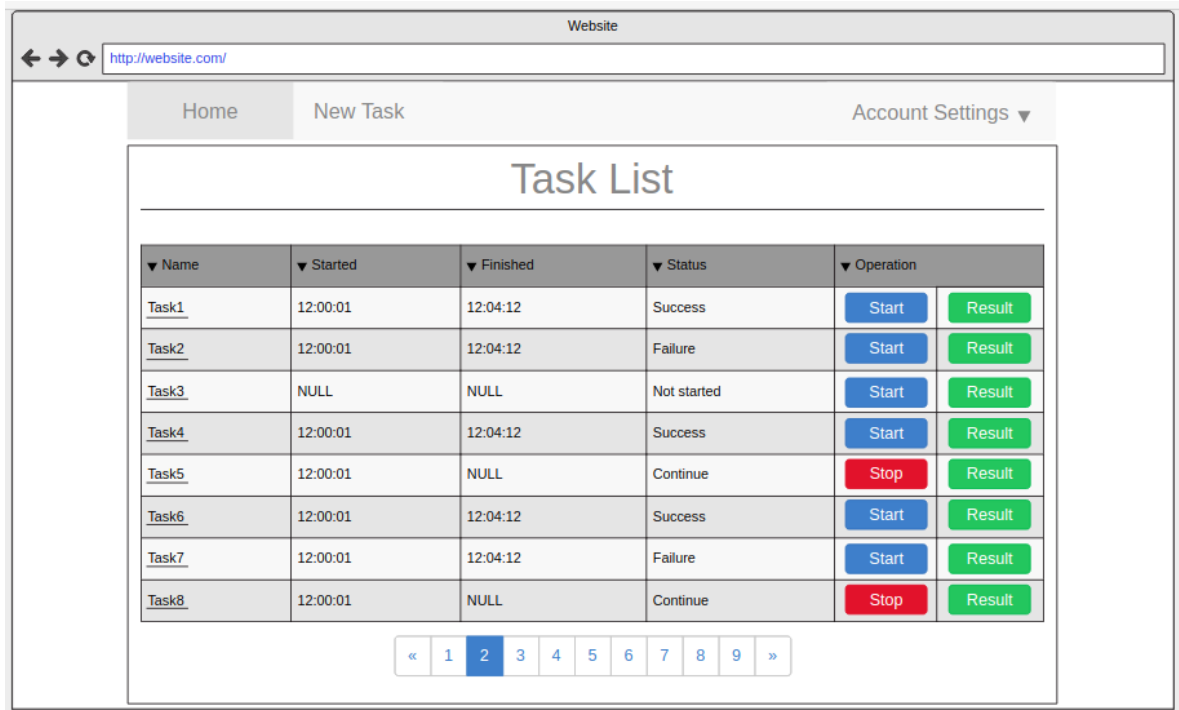
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1. You need to develop application with python,
2. You may use some python libraries for data analysis/prediction part (**statsmodels**),
3. You need to use one of these frontend frameworks (**Vue, React or Angular**),
4. Implement as many unit tests as possible,
5. Provide a good explanation on "How to install/run application" in **README.md**.
6. **[Optional]** Instead of manual installation, you can use some DevOps tools like **Docker**.
7. Share your project on <https://gitlab.com/> with **proper git commits** and add **@huawei\_python** as collaborator.

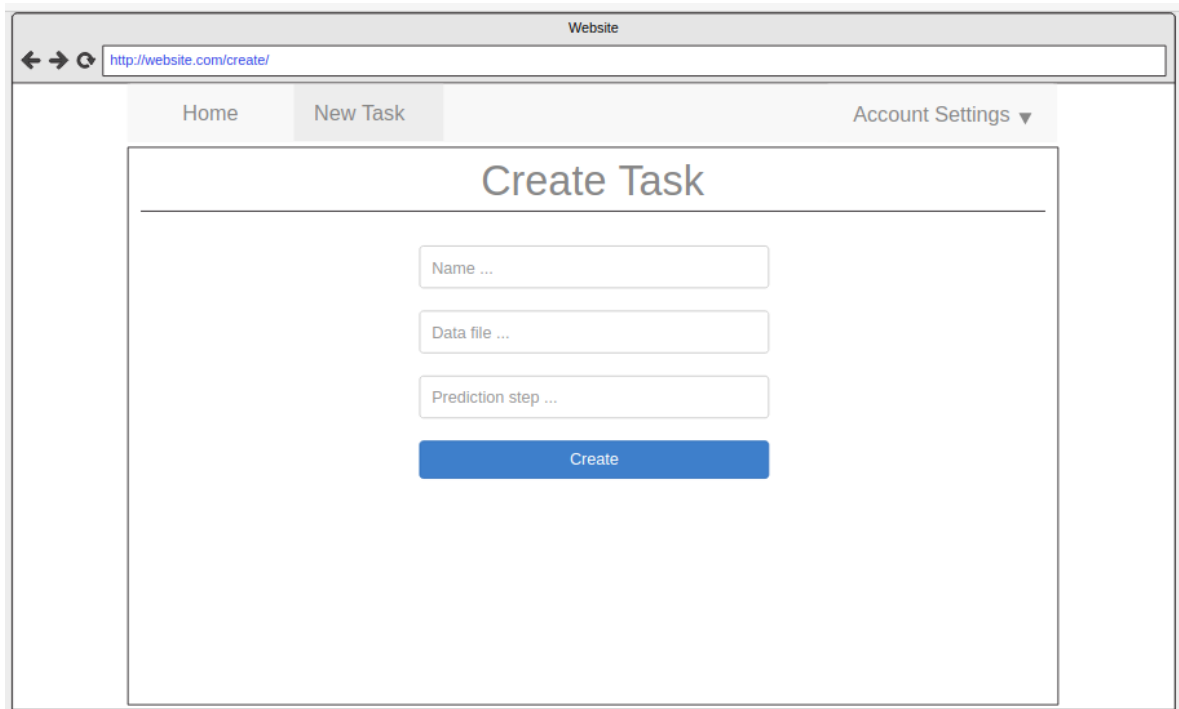
# Screenshots

You can use following screenshots as reference .

## Task List page



## Task Create Page



# Task Result Page

