


# Instructions for completing the assignment

## Problem Statement

Implement a web application to demonstrate your full stack development capability using these functionalities

- Use object oriented programming language for implementation.
- Use appropriate data structures and algorithms wherever applicable.
- Develop a good User Interface which can be used to access the functionalities of the system.
- Use a suitable database to persist the application data.
- Implement REST APIs to be consumed by UI
- You can use Internet for technical reference and troubleshooting
- Demonstrate the working application using Skype or any other screen sharing online utility
- Provide the source code in a ZIP package. Use the following format explained in the later slide
- Two screens expected in this assignment are given below
- An accurate looking UI is not the requirement of the assignment, rather a working UI is most important
- Use Angular framework for front end implementation.
- Use C# .Net for backend implementation
- Use of Visual Studio is preferred

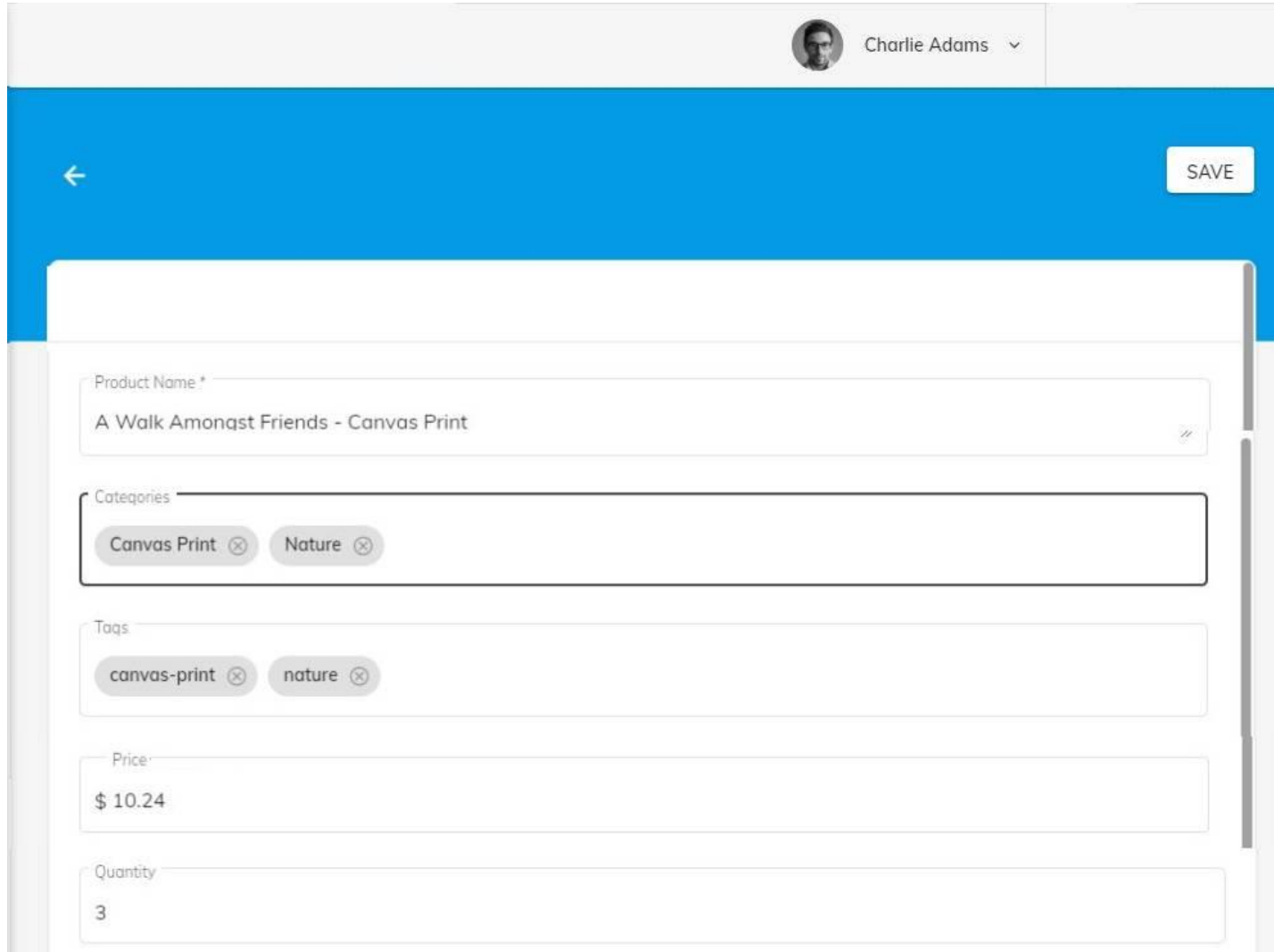
# Product Listing Page

 Charlie Adams ▾

Products						ADD NEW PRODUCT
ID	Name	Category	Price	Quantity	Active	
1	A Walk Amongst Fri...	Canvas Print	\$10.24	3	✓	
2	Braies Lake - Canva...	Canvas Print	\$24.62	92	✓	
3	Fall Glow - Canvas P...	Canvas Print	\$49.29	60	✓	
4	First Snow - Canvas ...	Canvas Print	\$69.11	101	✗	
5	Lago di Braies - Can...	Canvas Print	\$10.24	19	✓	
6	Lago di Sorapis - Ca...	Canvas Print	\$59.36	101	✓	

- Create this page to show a listing of products.
- Initially use 2 dummy records in your database table
- On clicking the “Add New Button” user should be navigated to the Add Product page.

# Add Product Page



The screenshot shows a web application interface for adding a new product. At the top, there is a header bar with a back arrow on the left and a 'SAVE' button on the right. Below the header, the user's profile 'Charlie Adams' is visible. The main form area contains several input fields: 'Product Name\*' with the value 'A Walk Amongst Friends - Canvas Print', 'Categories' with 'Canvas Print' and 'Nature' tags, 'Tags' with 'canvas-print' and 'nature' tags, 'Price' with '\$ 10.24', and 'Quantity' with '3'. Each tag has a small 'x' icon to remove it.

Charlie Adams

← SAVE

Product Name\*

A Walk Amongst Friends - Canvas Print

Categories

Canvas Print × Nature ×

Tags

canvas-print × nature ×

Price

\$ 10.24

Quantity

3

- Create this page to add a new product.
- User will add values in all the fields shown here
- On clicking the “SAVE” button the product should be added to the list and user should navigate to the Listing page.
- Newly added product should be available in the listing

# How to share the completed assignment



- Create an account on github and push your code to github. Share link of this account. If you already have an github account please use it

OR

- Create a zip file of your code files and email to [interns2021@techprimelab.com](mailto:interns2021@techprimelab.com). Your zip file should have name in below format only

<firstname>-<lastname>-<frontend used>-<backend used>.zip

Example: **kiran-gosavi-angular7-dotnet.zip**

Thank You



Best of Luck