**75%**

**90% after retest**

**Complete the following test over a multi-day period starting on 2/22/24 and finishing at 8AM on 2/26/24. You may use your textbook, labs, and lecture notes. All code submitted must be your original work. Code must be committed and pushed to your GitHub repository to receive credit. You must share your GitHub repository with your instructor for credit.**

1. Create an MVC Shop website for a product of your choice. **5pts**
2. The product should have a minimum of 3 custom fields plus a primary key, image file name and slug. **5pts**
3. Seed a minimum of 5 products into your database. **5pts**
4. Display the slug in the URL when performing edit and delete operations. **5pts**
5. Make sure that Create and Edit operations enforce valid data. **5pts**
6. URLs should be all lowercase and have trailing slashes. **5pts**
7. The Home area of the site should be able to List all entities. **5pts**
8. The list of entities should be able to be filtered by a field value such as Category. **5pts**
9. A user should be able to view all fields of an individual entity in a card including its picture. **5pts**
10. Create an Admin Area of the website where you can Create/Update/Delete entities. **5pts**
11. The Admin Area should have a different Navigation bar than the Home Area. **5pts**
12. All HyperLinks should display as “Active” when you are on the page. **5pts**
13. The Edit page should link to validation scripts for client side form validation but no other page should. **5pts**
14. Implement a Shopping Cart feature for a user to Add items to a cart. **5pts**
15. The web page for the shopping cart should implement a View Model that tracks the total quantity and total price of items. **5pts**
16. The cart should be able to persist data for a user's session for all the items in the cart. **5pts**
17. The cart should be able to Remove an item. **5pts**
18. The cart should be able to make a purchase which will save the cart information to a database. **5pts**
19. Show temporary messages when a user adds a new entity or deletes an entity from the cart. **5pts**
20. The cart should be cleared after a purchase is made. **5pts**