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# APPLICATION DESIGN DOCUMENT

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ISAD251HK – NG SHU MING ARTHAS



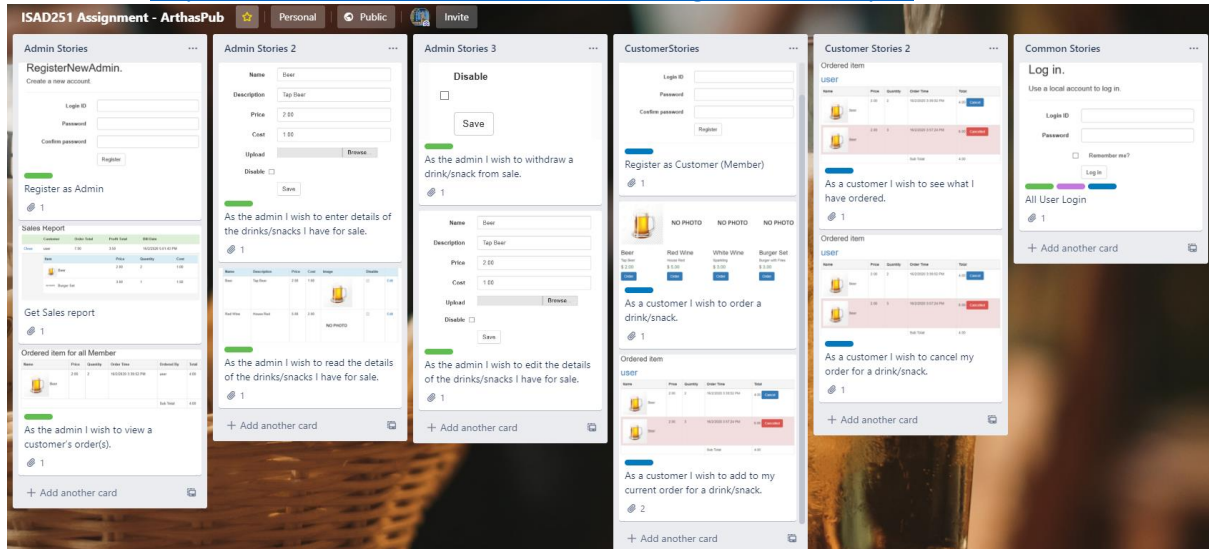
FEBRUARY 16, 2020  
PLYMOUTH UNIVERSITY

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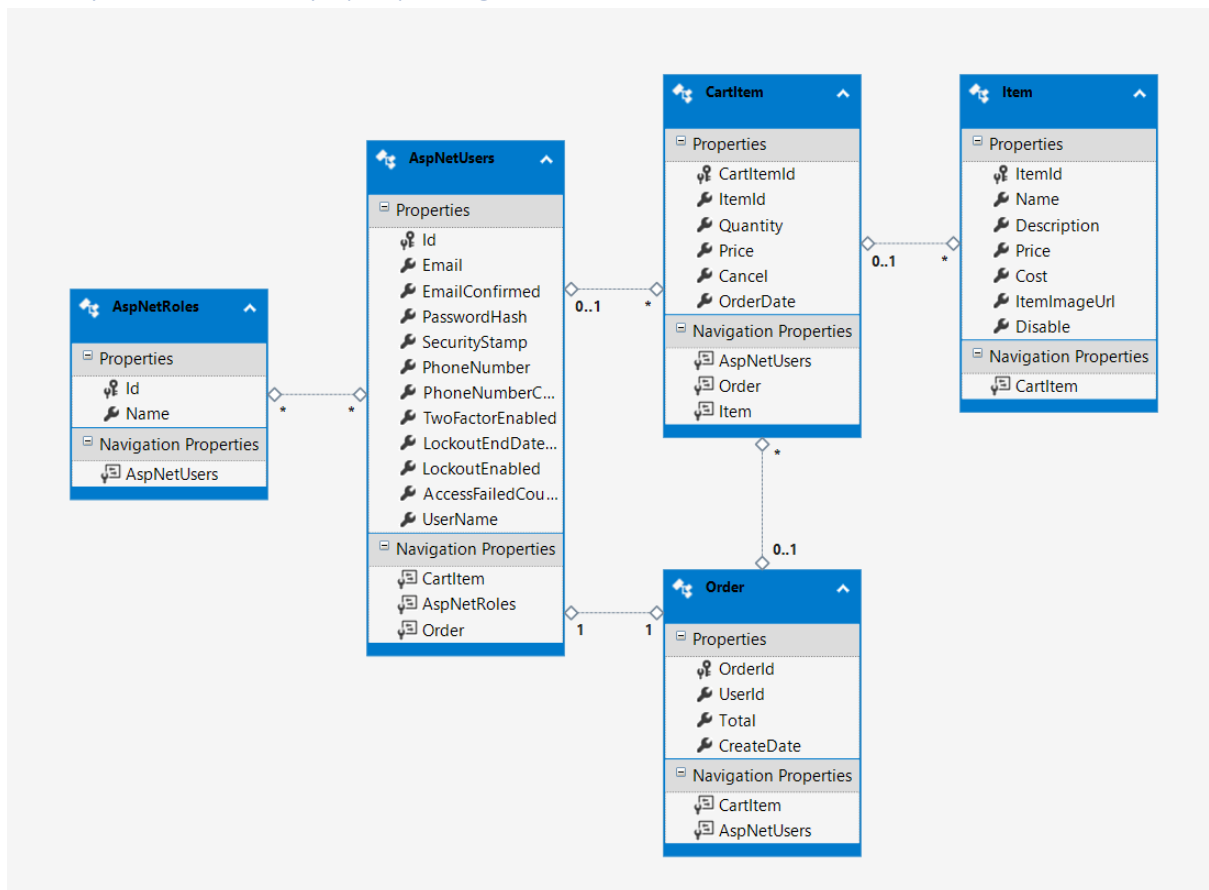
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# Story Board

Trello URL: <https://trello.com/b/anZENBaM/isad251-assignment-arthaspub>

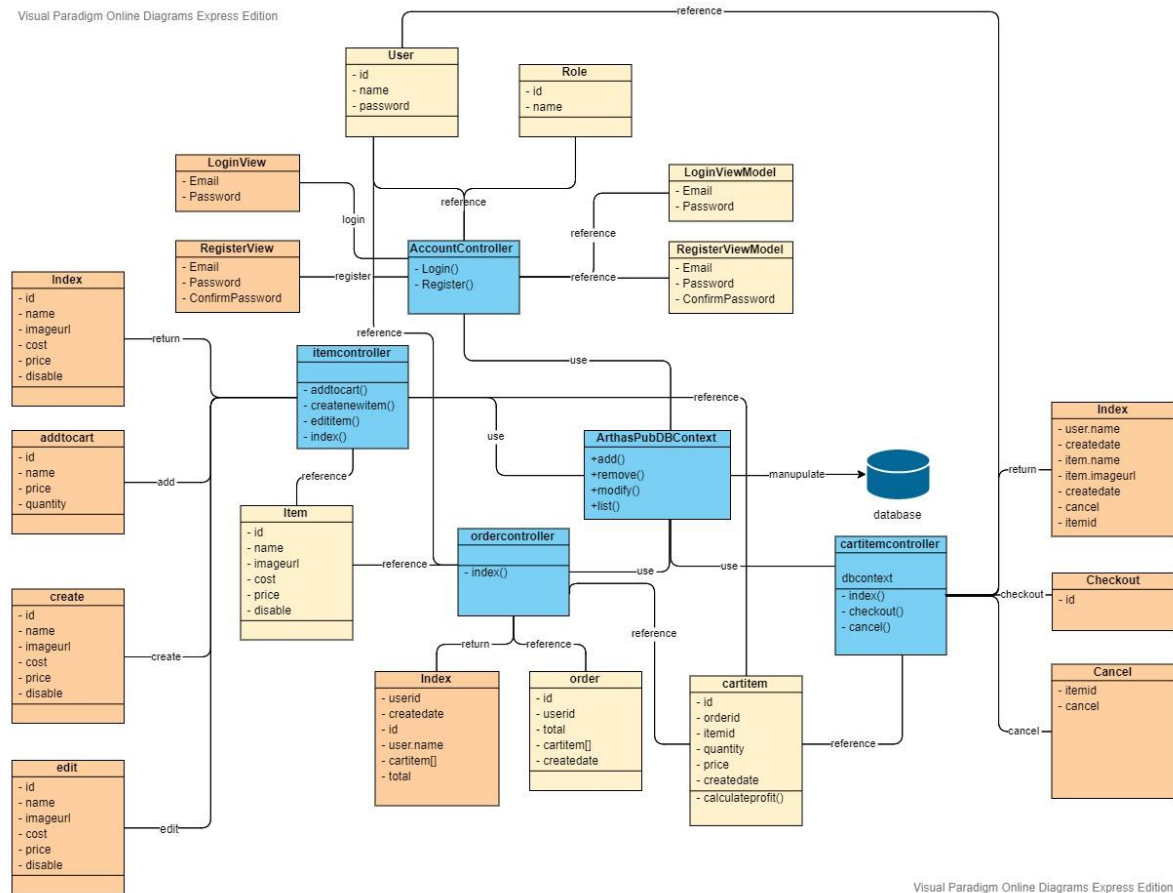


# Entity-Relationship (ER) Diagram





















# UML Class Diagram











Visual Paradigm Online Diagrams Express Edition



Visual Paradigm Online Diagrams Express Edition

## Package installed

	<b>Antlr</b> by Sam Harwell, Terence Parr ANother Tool for Language Recognition, is a language tool that provides a framework for constructing recognizers, interpreters, compilers, and translators from grammatical descriptions containing actions in a variety of target languages.	v3.5.0.2
	<b>bootstrap</b> by Twitter, Inc. Bootstrap framework in CSS. Includes fonts and JavaScript	v3.4.1 v4.4.1
	<b>EntityFramework</b> by Microsoft Entity Framework is Microsoft's recommended data access technology for new applications.	v6.2.0 v6.4.0
	<b>jQuery</b> by jQuery Foundation, Inc. jQuery is a new kind of JavaScript Library. jQuery is a fast and concise JavaScript Library that simplifies HTML document traversing, event handling, animating, and A...	v3.4.1
	<b>jQuery.Validation</b> by Jörn Zaefferer This jQuery plugin makes simple clientside form validation trivial, while offering lots of option for customization. That makes a good choice if you're building something new from scratch, but also when you're trying to integrate it into an existing applica...	v1.17.0 v1.19.1
	<b>Microsoft.AspNet.Identity.Core</b> by Microsoft Core interfaces for ASP.NET Identity.	v2.2.2 v2.2.3
	<b>Microsoft.AspNet.Identity.EntityFramework</b> by Microsoft ASP.NET Identity providers that use Entity Framework.	v2.2.2 v2.2.3
	<b>Microsoft.AspNet.Identity.Owin</b> by Microsoft Owin implementation for ASP.NET Identity.	v2.2.2 v2.2.3
	<b>Microsoft.AspNet.Mvc</b> by Microsoft This package contains the runtime assemblies for ASP.NET MVC.	v5.2.7
	<b>Microsoft.AspNet.Razor</b> by Microsoft This package contains the runtime assemblies for ASP.NET Web Pages.	v3.2.7
	<b>Microsoft.AspNet.Web.Optimization</b> by Microsoft ASP.NET Optimization introduces a way to bundle and optimize CSS and JavaScript files.	v1.1.3
	<b>Microsoft.AspNet.WebApi</b> by Microsoft This package contains everything you need to host ASP.NET Web API on IIS.	v5.2.7
	<b>Microsoft.AspNet.WebApi.Client</b> by Microsoft This package adds support for formatting and content negotiation to System.Net.Http.	v5.2.7
	<b>Microsoft.AspNet.WebApi.Core</b> by Microsoft This package contains the core runtime assemblies for ASP.NET Web API.	v5.2.7
	<b>Microsoft.AspNet.WebApi.HelpPage</b> by Microsoft The ASP.NET Web API Help Page automatically generates help page content for the web APIs on your site.	v5.2.7
	<b>Microsoft.AspNet.WebApi.WebHost</b> by Microsoft This package contains everything you need to host ASP.NET Web API on IIS.	v5.2.7
	<b>Microsoft.AspNet.WebPages</b> by Microsoft This package contains core runtime assemblies shared between ASP.NET MVC and ASP.NET Web Pages.	v3.2.7
	<b>Microsoft.CodeDom.Providers.DotNetCompilerPlatform</b> by Microsoft Replacement CodeDOM providers that use the new .NET Compiler Platform ("Roslyn") compiler as a service APIs.	v2.0.1

	<b>Microsoft.jQuery.Unobtrusive.Validation</b> by Microsoft	v3.2.11
	The jQuery Unobtrusive Validation library complements jQuery Validation by adding support for specifying validation options as HTML5 data-* elements	
	<b>Microsoft.Owin</b> by Microsoft	v4.0.1
	Provides a set of helper types and abstractions for simplifying the creation of OWIN components.	v4.1.0
	<b>Microsoft.Owin.Host.SystemWeb</b> by Microsoft	v4.0.1
	OWIN server that enables OWIN-based applications to run on IIS using the ASP.NET request pipeline.	v4.1.0
	<b>Microsoft.Owin.Security</b> by Microsoft	v4.0.1
	Common types which are shared by the various authentication middleware components.	v4.1.0
	<b>Microsoft.Owin.Security.Cookies</b> by Microsoft	v4.0.1
	Middleware that enables an application to use cookie based authentication, similar to ASP.NET's forms authentication.	v4.1.0
	<b>Microsoft.Owin.Security.Facebook</b> by Microsoft	v4.0.1
	Middleware that enables an application to support Facebook's OAuth 2.0 authentication workflow.	v4.1.0
	<b>Microsoft.Owin.Security.Google</b> by Microsoft	v4.0.1
	Contains middlewares to support Google's OAuth 2.0 authentication workflow.	v4.1.0
	<b>Microsoft.Owin.Security.MicrosoftAccount</b> by Microsoft	v4.0.1
	Middleware that enables an application to support the Microsoft Account authentication workflow.	v4.1.0
	<b>Microsoft.Owin.Security.OAuth</b> by Microsoft	v4.0.1
	Middleware that enables an application to support any standard OAuth 2.0 authentication workflow.	v4.1.0
	<b>Microsoft.Owin.Security.Twitter</b> by Microsoft	v4.0.1
	Middleware that enables an application to support Twitter's OAuth 2.0 authentication workflow.	v4.1.0
	<b>Microsoft.Web.Infrastructure</b> by Microsoft	v1.0.0
	This package contains the Microsoft.Web.Infrastructure assembly that lets you dynamically register HTTP modules at run time.	
	<b>Modernizr</b> by Faruk Ateş, Paul Irish, Alex Sexton	v2.8.3
	Modernizr is a small and simple JavaScript library that helps you take advantage of emerging web technologies (CSS3, HTML 5) while still maintaining a fine level of control over older browsers that may not yet support these new technologies.	
	<b>Newtonsoft.Json</b> by James Newton-King	v12.0.2
	Json.NET is a popular high-performance JSON framework for .NET	v12.0.3
	<b>Owin</b> by OWIN startup components contributors	v1.0.0
	OWIN IApplicationBuilder startup interface	
	<b>WebGrease</b> by webgrease@microsoft.com	v1.6.0
	Web Grease is a suite of tools for optimizing javascript, css files and images.	

## Web Accessibility Initiative Test

Followed <https://www.w3.org/WAI/test-evaluate/preliminary/#title>

Page title

Chrome & Edge tested

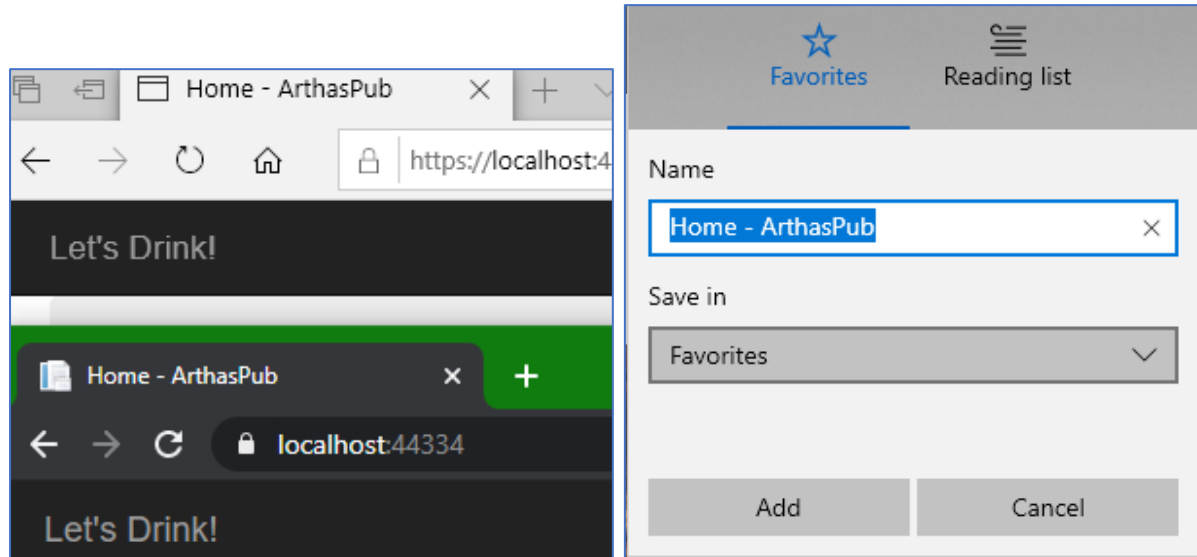


Image text alternatives ("alt text")

```
<style>* { box-si...</style>
<div class="row">
  <div class="column">
    <div class="content">
      
    <h2 class="text">Beer</h2>
```

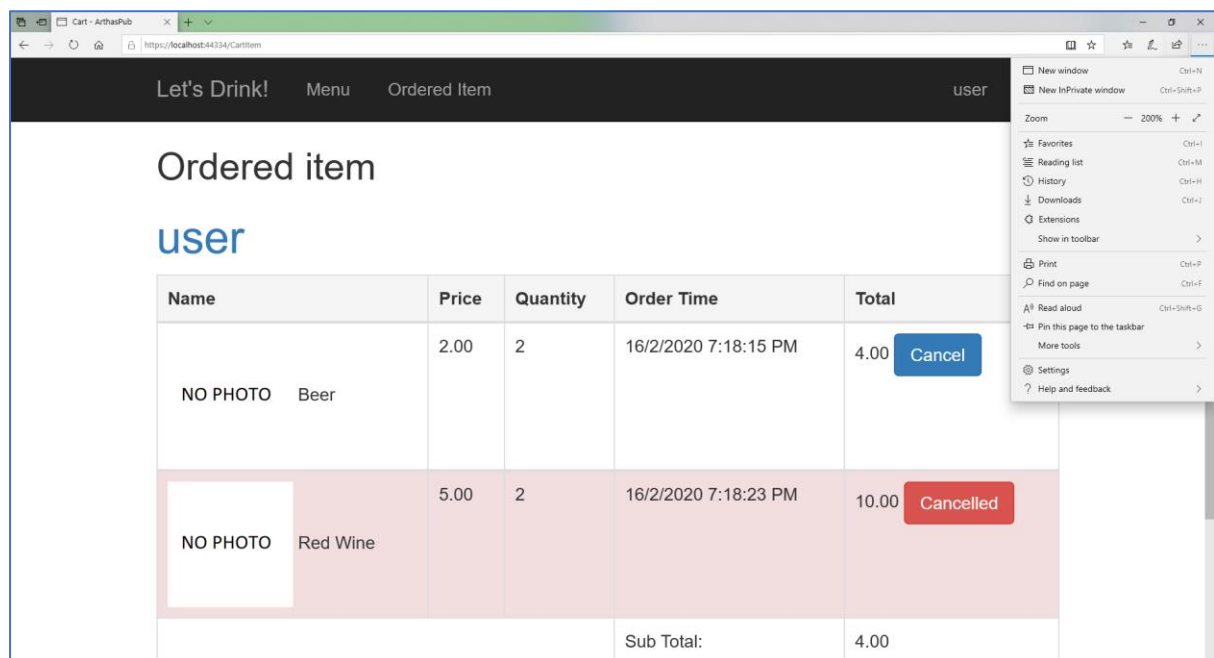
```

C:\Users\admin\source\repos\ArthasNgPub\ArthasPub\Views (11)
  CartItem (6)
    Cancel.cshtml (1)
      
    Checkout.cshtml (1)
      
    Index.cshtml (4)
      
      
      
      
    Home (1)
      Index.cshtml (1)
        
    Item (3)
      Add.cshtml (1)
        
      Index.cshtml (2)
         }
         }
    Order (1)
      Index.cshtml (1)
        <td> @Htm

```

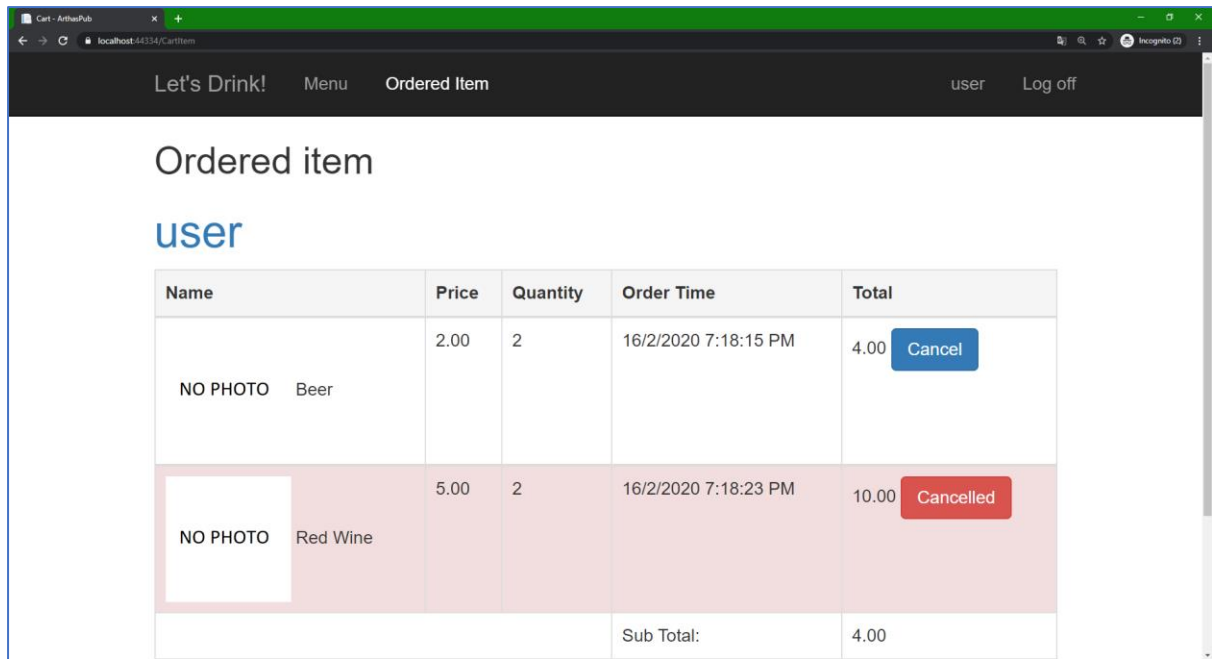
Text Size

200% on Edge, no overlap



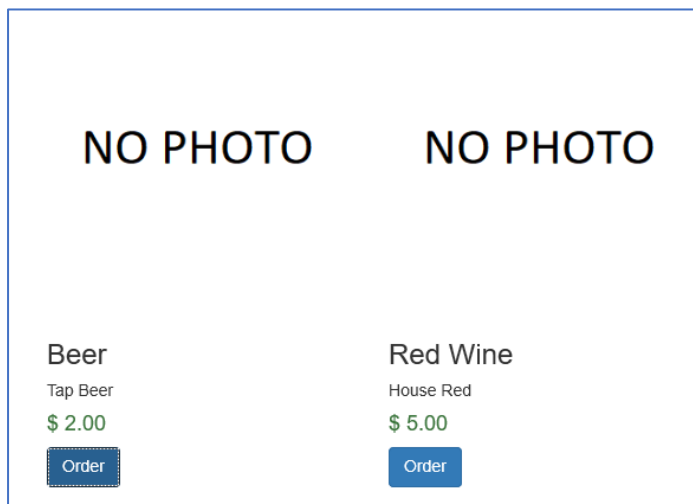
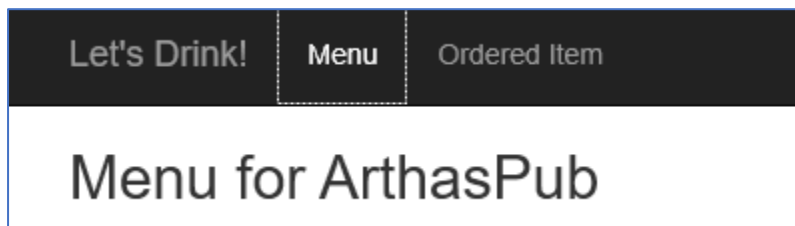
200% on Chrome, no overlap





## Keyboard access and visual focus

Navigation bar and body content can be "tabbed"



## Feedback

Name: Derek Date:09-Jan-2020

Task conducted: (Please enter the user story)

- As a customer I wish to cancel my order for a drink/snack.

Was the task easy to carry out? (If no or not really, please say why)

- Yes, author have a cartitem table have that contain boolean named cancel, so switching the boolean can achieve it.

Did you encounter any errors? (If yes, please explain what)

- No

Did the author have to explain how to use anything? (If yes, what?)

- No, the cancel button is easy to see

Did you gain any inspiration for your own practice? (If so what?)

- It is good to use Boolean control the on/off status

What constructive advice would you give the author for presenting their work/code in future?

- The table look a bit old fashion, try make the GUI look better

Name: Alex Date:09-Jan-2020

Task conducted: (Please enter the user story)

- As the admin I wish to view a customer's order(s)..

Was the task easy to carry out? (If no or not really, please say why)

- No, author is trying join the table with subtotal and profit, but the join is not working as intended in LINQ method.

Did you encounter any errors? (If yes, please explain what)

- Yes, the join table cannot be showed.

Did the author have to explain how to use anything? (If yes, what?)

- No, just click Order will go to the view.

Did you gain any inspiration for your own practice? (If so what?)

- No.

What constructive advice would you give the author for presenting their work/code in future?

- Should use SQL query instead of use of LINQ method, the Sales report is out of scope, so work on it if author have extra time.

Name: Venus Date:09-Jan-2020

Task conducted: (Please enter the user story)

- As the admin I wish to enter details of the drinks/snacks I have for sale.

Was the task easy to carry out? (If no or not really, please say why)

- Yes, the built-in Scaffolded-Item can create the Controller and View easily

Did you encounter any errors? (If yes, please explain what)

- Yes, author failed to implement upload picture

Did the author have to explain how to use anything? (If yes, what?)

- No, it is easy to access.

Did you gain any inspiration for your own practice? (If so what?)

- No.

What constructive advice would you give the author for presenting their work/code in future?

- Requirement didn't mention image, author should spend more time on mentioned requirement first.

Reference URL:

GitHub repo.

- <https://github.com/sillgate/ArthasNgPub>

API middleware help page

- <https://{NAMESPACE}/help>

Trello URL:

- <https://trello.com/b/anZENBaM/isad251-assignment-arthaspub>

Image Used:

- Beer : [https://www.123rf.com/photo\\_85422903\\_stock-vector-vector-illustration-with-fresh-lager-beer-in-a-beer-mug-on-transparent-background-.html](https://www.123rf.com/photo_85422903_stock-vector-vector-illustration-with-fresh-lager-beer-in-a-beer-mug-on-transparent-background-.html)
- Red White : [https://www.123rf.com/photo\\_75107651\\_stock-vector-vector-realistic-wineglass-with-red-wine-icon-isolated-on-transparent-background-design-template-in-.html](https://www.123rf.com/photo_75107651_stock-vector-vector-realistic-wineglass-with-red-wine-icon-isolated-on-transparent-background-design-template-in-.html)
- White Wine : [https://www.123rf.com/photo\\_75075278\\_stock-vector-vector-realistic-wineglass-with-white-wine-icon-isolated-on-transparent-background-design-template-i.html](https://www.123rf.com/photo_75075278_stock-vector-vector-realistic-wineglass-with-white-wine-icon-isolated-on-transparent-background-design-template-i.html)
- Fish and Chip : <https://www.pngguru.com/free-transparent-background-png-clipart-nxwxr>
- Burger : <https://www.pexels.com/photo/beef-burger-burgers-cheeseburger-chips-2498915/>
- Factsheet & Home/Index Background : <https://wallpaperboat.com/bar-wallpapers>