.Net Foundation (week 1-5)

- ·	5 .	
Day #	Date	Work done
1	21-08-	Morning Orientation with management
	2023	RDBMS intro
2	22-08-	Introduction to .Net Introduction to C#
2	2023	
3	23-08-	OOPS Inheritance, polymorphism, Interface and Abstract classes
	2023	
4	24-08-	Strings, StringBuilder, Handling Errors and Exceptions in C#
	2023	
5	25-08-	Exceptions, DateTime Enum LinkedIn Elearning
	2023	XX 1 1 1
	26-08-	Weekend - 1
	2023	W ₁ , l ₂ , , 1 1
	27-08-	Weekend - 1
	2023	Madala Tark American de Callardana
6	28-08-	Module Test Arrays and Collections
7	2023	Distinger, Consis Collections Cathach Code () Mathad Decembers Language
7	29-08-	Dictionary, Generic Collections, GetHashCode(), Method Parameters, Inner
0	30-08-	Classes, Assignments, Delegates
8		Lambdas, and Events Introduction to Threading and in C#
9	2023 31-08-	Tasks, File I/O, Stream Management and Serialization in C#
9	2023	Tasks, File 1/O, Stream Management and Serianzation in C#
10	01-09-	Understanding Memory Management in C# Working with Libraries,
	2023	Assemblies, NuGet
	02-09-	Weekend - 2
	2023	Weekend - 2
	03-09-	Weekend - 2
	2023	Weekend - 2
11	04-09-	Microsoft Certification Test, First test Corrections Introduction to ASP.NET
11	2023	Core, Setting up ASP.NET Core Project
12	05-09-	ASP.Net MVC, Routing, Controllers, and Actions, Views, Razor page
	2023	Syntax, Model Binding and Validation
13	06-09-	SQL Server - TSQL
	2023	SQL SGVG - TSQL
14	07-09-	Entity Framework Core- Introduction to Entity Framework Core, Setting up
	2023	Entity Framework Core Entity Framework Core
15	08-09-	Entity Framework Core - Creating Models and Database Context, Querying
	2023	Data, Relationships and Navigation Properties
	09-09-	Weekend - 3
	2023	
	10-09-	Weekend - 3
	2023	

11-09- 2023	
12-09- Creating Web API Project HTTP Methods and Controllers Testing V with Postman	
17	
2023 with Postman	
18	g Web API
2023 14-09- 2023 20 15-09- 2023 20 20 20 20 20 20 20	
19	
2023 20	
20	
2023 GetAllCustomerID -> List <int> FindCustomerByID -> Customer GetCustomerOrders -> List<order> Create Customer Controller Sho Customer Name in DropdownList Show the selected Customer in a liview with all Orders of the Customer as Partial View Upload RepositoryCustomer.cs, CustomerController.cs and the View as a zip folder <customermvc> Add your Name and ID in the zip file 16-09-</customermvc></order></int>	
GetCustomerOrders -> List <order> Create Customer Controller Show Customer Name in DropdownList Show the selected Customer in a land View with all Orders of the Customer as Partial View Upload RepositoryCustomer.cs, CustomerController.cs and the View as a zig folder <customermvc> Add your Name and ID in the zip file 16-09- 2023 17-09- Weekend - 4 2023 18-09- 2023 Holiday 2023 21 20-09- 2023 Intro to GIT - Installing Git Configuring Git (username, email) git in add, git commit 22 21-09- 2023 git status, git log git branch, git checkout, git merge git remote, git cleon pull, git push Working with others on GitHub Resolve merge conflict Commit messages, branching strategies Case studies of Git in real-wprojects</customermvc></order>	er
Customer Name in DropdownList Show the selected Customer in a liview with all Orders of the Customer as Partial View Upload RepositoryCustomer.cs, CustomerController.cs and the View as a zight folder <customermvc> Add your Name and ID in the zip file 16-09- 2023 17-09- 2023 Weekend - 4 2023 18-09- 2023 Holiday 2023 21 20-09- 2023 Intro to GIT - Installing Git Configuring Git (username, email) git in add, git commit 22 21-09- 2023 git status, git log git branch, git checkout, git merge git remote, git clean pull, git push Working with others on GitHub Resolve merge conflict Commit messages, branching strategies Case studies of Git in real-working projects</customermvc>	
View with all Orders of the Customer as Partial View Upload RepositoryCustomer.cs, CustomerController.cs and the View as a zip folder <customermvc> Add your Name and ID in the zip file 16-09- 2023 17-09- 2023 Weekend - 4 2023 18-09- 2023 Holiday 2023 21 20-09- 2023 Intro to GIT - Installing Git Configuring Git (username, email) git in add, git commit 22 21-09- 2023 git status, git log git branch, git checkout, git merge git remote, git cl pull, git push Working with others on GitHub Resolve merge conflic Commit messages, branching strategies Case studies of Git in real-w projects</customermvc>	how all
RepositoryCustomer.cs, CustomerController.cs and the View as a zip folder <customermvc> Add your Name and ID in the zip file 16-09- Weekend - 4 2023 17-09- Weekend - 4 2023 18-09- Holiday 2023 21 20-09- Intro to GIT - Installing Git Configuring Git (username, email) git in add, git commit 22 21-09- git status, git log git branch, git checkout, git merge git remote, git cle pull, git push Working with others on GitHub Resolve merge conflic Commit messages, branching strategies Case studies of Git in real-w projects</customermvc>	a Detail
folder < Customer MVC > Add your Name and ID in the zip file 16-09- 2023 17-09- 2023 Weekend - 4 2023 18-09- Holiday 2023 19-09- 2023 Intro to GIT - Installing Git Configuring Git (username, email) git in add, git commit 22 21-09- git status, git log git branch, git checkout, git merge git remote, git cleochout, git merge git git merge git remote, git cleochout, git me	
folder < Customer MVC > Add your Name and ID in the zip file 16-09- 2023 17-09- 2023 Weekend - 4 2023 18-09- Holiday 2023 19-09- 2023 Intro to GIT - Installing Git Configuring Git (username, email) git in add, git commit 22 21-09- git status, git log git branch, git checkout, git merge git remote, git cleochout, git merge git git merge git remote, git cleochout, git me	zip file in
2023 17-09- Weekend - 4 2023 18-09- Holiday 2023 19-09- Holiday 2023 21 20-09- Intro to GIT - Installing Git Configuring Git (username, email) git in add, git commit 22 21-09- git status, git log git branch, git checkout, git merge git remote, git checkout, git merge git remote, git checkout, git merge conflice Commit messages, branching strategies Case studies of Git in real-ways projects	•
17-09- 2023 Holiday 2023 19-09- 2023 Holiday 2023 21 20-09- 2023 Intro to GIT - Installing Git Configuring Git (username, email) git in add, git commit 22 21-09- 2023 git status, git log git branch, git checkout, git merge git remote, git clearly pull, git push Working with others on GitHub Resolve merge conflict Commit messages, branching strategies Case studies of Git in real-working projects	
2023 Holiday 19-09- 2023 Holiday 2023 21 20-09- 2023 Intro to GIT - Installing Git Configuring Git (username, email) git in add, git commit 22 21-09- 2023 git status, git log git branch, git checkout, git merge git remote, git	
18-09- 2023 Holiday 19-09- 2023 Lintro to GIT - Installing Git Configuring Git (username, email) git in add, git commit 22 21-09- 2023 git status, git log git branch, git checkout, git merge git remote, git	
2023 19-09- 2023 21 20-09- 2023 Intro to GIT - Installing Git Configuring Git (username, email) git in add, git commit 22 21-09- 2023 git status, git log git branch, git checkout, git merge git remote, git cle pull, git push Working with others on GitHub Resolve merge conflict Commit messages, branching strategies Case studies of Git in real-w projects	
2023 19-09- 2023 21 20-09- 2023 Intro to GIT - Installing Git Configuring Git (username, email) git in add, git commit 22 21-09- 2023 git status, git log git branch, git checkout, git merge git remote, git cle pull, git push Working with others on GitHub Resolve merge conflict Commit messages, branching strategies Case studies of Git in real-w projects	
2023 21 20-09- Intro to GIT - Installing Git Configuring Git (username, email) git in add, git commit 22 21-09- git status, git log git branch, git checkout, git merge git remote, git cle pull, git push Working with others on GitHub Resolve merge conflict Commit messages, branching strategies Case studies of Git in real-w projects	
2023 21 20-09- Intro to GIT - Installing Git Configuring Git (username, email) git in add, git commit 22 21-09- git status, git log git branch, git checkout, git merge git remote, git	
2023 add, git commit 22 21-09- 2023 git status, git log git branch, git checkout, git merge git remote, git cl pull, git push Working with others on GitHub Resolve merge conflic Commit messages, branching strategies Case studies of Git in real-w projects	
2023 add, git commit 22 21-09- 2023 git status, git log git branch, git checkout, git merge git remote, git cl pull, git push Working with others on GitHub Resolve merge conflic Commit messages, branching strategies Case studies of Git in real-w projects	init, git
pull, git push Working with others on GitHub Resolve merge conflic Commit messages, branching strategies Case studies of Git in real-w projects	., 6
pull, git push Working with others on GitHub Resolve merge conflic Commit messages, branching strategies Case studies of Git in real-w projects	clone, git
Commit messages, branching strategies Case studies of Git in real-w projects	
projects	
45 44-07- Duffet day - Module Test	
2023	
24 23-09- Compensation session for Monday 18/9/2023	
2023 Compensation session for Monday 10/9/2025	
24-09- Weekend - 5	
2023 Weekend 3	

Web-Development (Week 5-10)

Week	Торіс	Sub Topic		
1	Introduction to Web	What is the web? Importance of HTML Introduction to HTML Basic concepts (tags, elements, attributes) HTML Document Structure Basic HTML Tags HTML Forms		
	HTML Tables	Creating tables with HTML HTML Semantics Multimedia in HTML HTML5 Features HTML Validation Responsive Design Practical Use Cases		
	Introduction to CSS5	Overview of CSS5 and its evolution Basics of CSS5 Box Model & Layout Responsive Design		
2	Advanced Layout & Visual Effects	Grid layout, Shadows, Blending, Filters Transitions, Animations & Motion Graphics Cross Browser Compatibility Practice Work & Review		
	Introduction to JavaScript	Overview of JavaScript, History, and Evolution Basics of JavaScript Control Flow		
	Functions and Scope	Declaring Functions, Function Expressions, Scope and Closures Objects and Arrays DOM Manipulation		
3	Advanced JavaScript Concepts	Prototypes, Promises, Async/Await Error Handling ES6+ Features		
	Fetch API, FAST API, Local Storage	Web APIs Project Work & Review		
	Introduction to ReactJS	What is ReactJS, Why Use ReactJS, Setting up the Development Environment React Basics		
	State and Lifecycle	Understanding State, Handling State with use State Hook, Class Component State, Component Lifecycle Methods		
		Handling Events and Forms		

	Introduction to Express.js and	- Understand the role of Everage is in web		
	Node.js	- Understand the role of Express.js in web development.		
	Trodelja	- Learn about the basics of Node.js as a runtime		
		environment.		
		- Set up a basic Express.js application.		
		- Handle routes and requests using Express.js.		
	Middleware and Routing in	- Learn about middleware functions in Express.js.		
	Express.js	- Implement custom middleware for request		
3		handling.		
		- Understand routing and create RESTful APIs		
	Tompleting Engines and Views in	with Express.js.		
	Templating Engines and Views in Express.js	Introduce templating engines like EJS or Pug.Set up views and dynamic rendering in		
	Lapiess.js	Express.js.		
		- Learn about layout and partials in templating		
		engines.		
	Database Integration with	- Connect and interact with databases (e.g.		
	Express.js	MySQL) in Express.js.		
		- Implement CRUD operations with database		
		models.		
	User Authentication and	- Handle data validation and error handling.		
	Authorization	- Implement user authentication using middleware like Passport.js.		
	Aumorization	- Set up role-based access control for routes.		
		- Understand security best practices for user		
		authentication.		
4	Introduction to Angular 14	Overview of Angular 16, Setup and Installation		
	_	Angular 16 Components		
		Angular 16 Directives		
		Angular 16 Services		
		Routing and Navigation		
	Forms	Template-driven Forms, Reactive Forms		
	Internationalization	Implementing Internationalization		
		Service Workers & PWA		
	W/I W/ I	III 1 WINT I WINT I		
	Web Workers	Understanding Web Workers, Implementing Web Workers		
		Server-side Rendering		
		Prerendering		
	Di ID i co D			
	Final Project & Review	Building a Simple Angular App using Concepts Learned		
	Styling and CSS	Inline Styles, CSS Modules, Styled Components		
5		Routing		
		Advanced Concepts		
	D. D. H.	Hooks		
	Data Fetching	Fetch API, Axios, Handling Loading State		
		Deployment Final Project & Review		
		1 mai i iojeci & Keview		