

# MS Track

| Application Development |  |  | Mastek WoW                      | Mastek Practices     | Global Induction                         |
|-------------------------|--|--|---------------------------------|----------------------|--|
| Storage Layer           | MySQL DB Concepts  | No SQL Fundamentals with MongoDB       | Mastek Compliance Program       | Intro to CI/CD       | Welcome Day                              |
| UI Layer                | Build Responsive Web App                                 | Building Interactive Websites using JS | Essential Communication Program | Integrate & Refactor | Connect with CEO                         |
| Front End Layer         | Building SPA using Angular Apps                          |  | Understand Business Etiquettes  | Code Review          | Culture @ Mastek                         |
| C# Programming          | Problem Solving Essentials                               | C# Language Foundation                 | Be Cultural Aware (IN/UK/US)    | Setting up Git       | Mastek Financial Health                  |
|                         | OOP C# with Unit Testing                                 |  | Succeeding in Client Interviews | Software Testing     | Next Gen Innovation & Delivery Practices |
| .Net Core Services      | Application Development using ASP.Net Core               | Entity Framework and .net Web APIs     | Agile Ways of Working           | SDLC Essentials      | Mastek UK Business Insights              |
| Cloud & DevOps          | Understanding Cloud Essentials                           | Understanding DevOps Essentials        | Being Compassionate             | Data Warehousing     | Mastek Americas Business Insights        |
| Project Layer           | Complete Project with End to End Application Development |  |                                 | Sales and Marketing  | Evosys Business Insights                 |
|                         |  |  |                                 | Working In Teams     |  |

## Case Study

Online shopping is a form of electronic commerce where the buyer is directly online to the seller's computer usually via the internet. There is no intermediary service. The sale and purchase transaction is completed electronically and interactively in real-time such as Amazon.com for new books.

The main objectives of the e-shopping are given below:

1. To provide information about various products in a different category.
2. Customer can purchase Products Online.
3. Customer can log in and get various information about products and can purchase a suitable product with price and quality comparison.
4. Cash on delivery options for payments
5. Data security is maintained to a relatively high level by implementing it at the Database level, so as to ensure that only authorized users have access to confidential client information

Request you all to build an Online shopping solution considering above points for below options:

1. Floweriest
2. Pizzeria
3. Burger
4. Farm to home

Above case study can be implemented using any one of the technology stack:

Front End: Angular

Back End: ASP.NET MVC, Entity Framework, WEB API, Unit Testing