i2i Systems
innovation to integration

i2i Academy

Training Document

Topic	SWAGGER
Document Name	SWAGGER

Document Difficulty Level			
Beginner	**Junior**	**Senior**	**Expert**
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Document History

Date	Author	Ver	Comments
05.03.2025	Murat Kağan Temel	1.0	Initial Draft

SWAGGER

Exercise SWAGGER:

Definiton: Create a layered Spring Boot RESTful application that provides basic CRUD operations for managing Customer data. The application should include OpenAPI-compliant API documentation using the `springdoc-openapi-starter-webmvc-ui` dependency. This dependency also enables Swagger UI, so no additional configuration is required.

You may choose to simulate database operations using in-memory data structures such as Map or List. Using a real database is not mandatory.

The application should expose endpoints for the following operations:

- **Create a new customer**
- **Retrieve a customer by ID**
- **Retrieve all customers**
- **Update an existing customer**
- **Delete a customer**

After completing the implementation, open the Swagger UI in your browser and share screenshots of the generated API documentation and the available endpoints. A sample CustomerDTO (DTO refers to Data Transfer Object) is shared in the next page.

```
public class CustomerDTO {

    @Schema(description = "Unique ID of the customer", example =
"1")

    private Long id;



    @NotBlank

    @Schema(description = "Full name of the customer", example =
"John Doe")

    private String name;



    @Email

    @Schema(description = "Email address", example =
"john.doe@example.com")

    private String email;

}
```

SWAGGER:

Your Answer: