**OnlineStore**

1. **Database Schema**

**Customer**

|  |  |  |
| --- | --- | --- |
| **Field name** | **Data type** | **Comment** |
| Id | int | Autoincrement |
| FirstName | string |  |
| SecondName | string |  |
| Age | int |  |
| Email | string |  |
| Phone number | string |  |

|  |  |  |
| --- | --- | --- |
| **Field name** | **Data type** | **Comment** |
| Id | int | Autoincrement |
| Nаme | string |  |
| Price | decimal | Price in hryvnias |
| IsАvailable | bool | Availability flag |

**Goods**

**Order**

|  |  |  |
| --- | --- | --- |
| **Field name** | **Data type** | **Comment** |
| Id | int | Autoincrement |
| CustomerId | int | Foreign key to Customer |
| OrderDate | DateTimeOffset | Checkout Date |
| CompletionDate | DateTimeOffset | Order completion date |

**OrderGoods**

|  |  |  |
| --- | --- | --- |
| **Field name** | **Data type** | **Comment** |
| OrderId | int | Foreign key to Order |
| GoodsId | int | Foreign key to Goods |

**2)Models**

**CustomerModel**

public sealed class CustomerModel

{

public string FirstName{ get; set; }

public string SecondName { get ; set; }

public int Age { get ; set;}

public string Email { get; set; }

public string PhoneNumber { get; set; }

}

**GoodModel**

public sealed class GoodModel

{

public string Name { get; set; }

public decimal Price{get; set; }

public bool IsАvailable{get; set; }

}

**3)Decomposition**

|  |  |  |
| --- | --- | --- |
| **Task name** | **Description** | **Estimation** |
| Online market :  Database  schema | We need to create the designed database | 6h |
| Online market :  Repositories | We need to create repositories | 6h |
| Online market :  Business logic layer | We need to create DTO models and services to work with them | 12h |
| Online market :  API | We need to create contollers and models for API | 12h |
| Online market :  front-end research | A task for research and estimation of work on the front-end part |  |