#### **ETIYA CRM SYSTEM**

Etiya Academy 9th term / PAIR 4



#### **AGENDA**



#### Meet Our Team

We are a total of 11 people, with three different departments.



#### **CRM SYSTEM**

- What is a CRM System?
- Benefits of CRM in the Telco Domain



#### Our Project

We will focus on two functional requirements in the B2C part of the project.



Q&A

Feedback session.

#### PAIR 4

**BUSINESS ANALYSIS TEAM** 



SELDA ÇELİK Specialist, Business Analysis



NİLBERK BULUN Specialist, Business Analysis



CANAN ÇOŞKUN Specialist, Business Analysis



BERFIN ÖZER Trainee, Business Analysis

#### PAIR 4

SOFTWARE DEVELOPMENT TEAM



EREN MACİT Specialist, Software Development



ANIL AYGÜN Specialist, Software Development



ENES YAVUZ Specialist, Software Development



HÜSEYİN MENTEŞE Specialist, Software Development

#### PAIR 4

SOFTWARE QUALITY ASSURANCE TEAM



MİRAY SÖNMEZ Specialist, Software Quality Assurance



DİLARA GEBEŞ Specialist, Software Quality Assurance



**DİDEM BORAN** Specialist, Software Quality Assurance

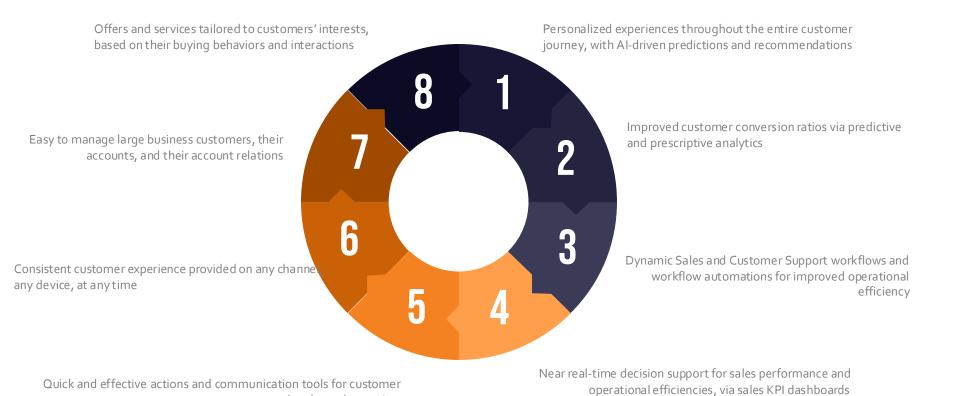
#### What is a CRM System?

#### **Customer Relationship Management (CRM)**

- Collects customer data into a single hub.
- Increases customer satisfaction through personalized services.
- Optimizes sales and marketing processes.



#### Benefits of CRM in the Telco Domain

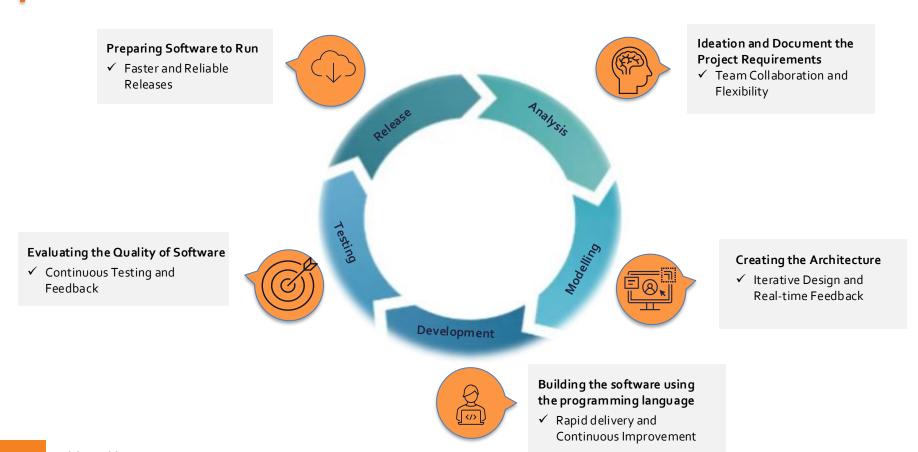


Selda Çelik Specialist,Business Analysis

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loyalty and retention

#### Agile Transformation in the SDLC for the CRM System



Selda Çelik Specialist,Business Analysis

# **Analysis Process and Project Tools**

# **Analysis Process**

# 1

### Preparing the Analysis Document

- ✓ Defining Functional Requirements for the CRM System
- ✓ Defining Acceptance Criteria

2

### Modelling

- ✓ Data Modeling and ER Diagram Creation
- ✓ Designing Mockups in Figma

3

# Entering information into Shift

✓ Combination of Functional Requirements, Use Cases, Epics, Mockups, and Activity Diagrams

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## **Project Tools**





Shift Jira











Draw.io

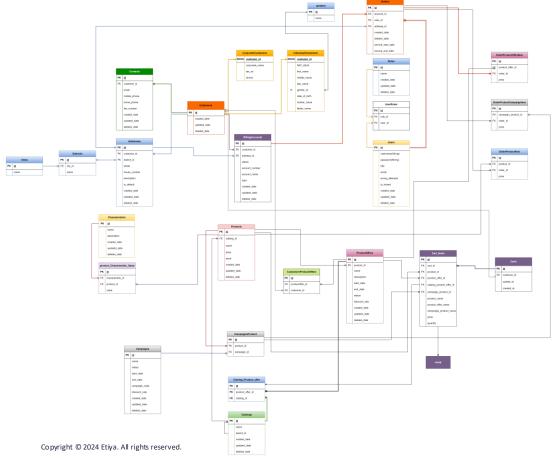
SQL



Figma



# ERD of CRM System



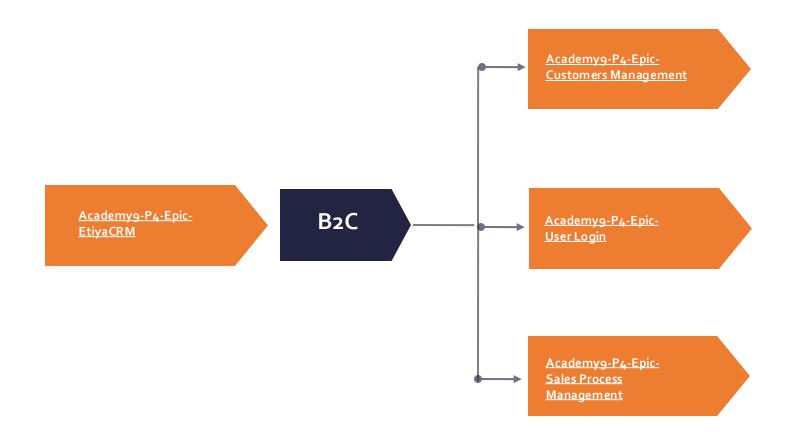
Selda Çelik Specialist, Business Analysis Berfin Özer Trainee, Business Analysis





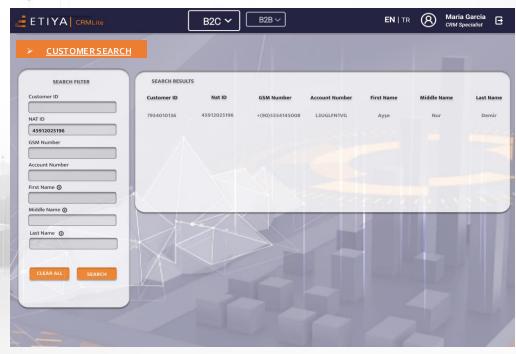
# CRM System Mock-ups in Figma

Berfin Özer Trainee, Business Analysis



Quickly and easily search for customer details.

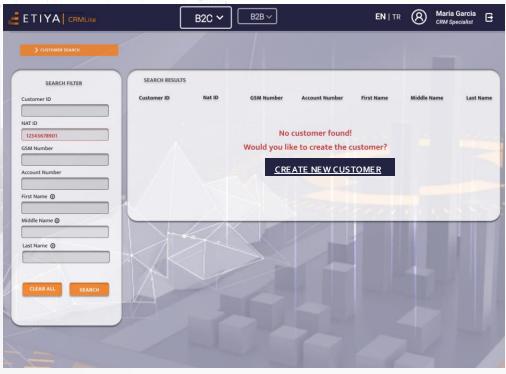
Easily access customer information with CRM searches. Use different criteria to filter the customer data you're looking for. Find the information you need in the most efficient way.



Can't find the customer you're looking for?
Create a new customer record and add the

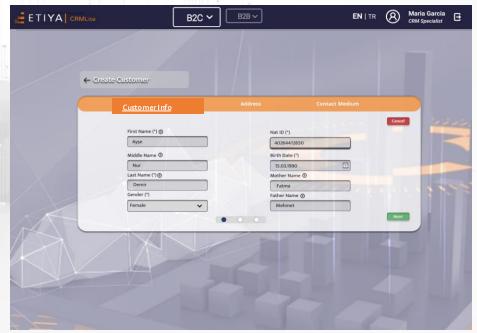
details right away.

If the customer you're looking for is not found in the system, you can start by creating a new customer record. Enter the customer details accurately and completely to add them to the database. Click the 'Create New Customer' button to proceed.



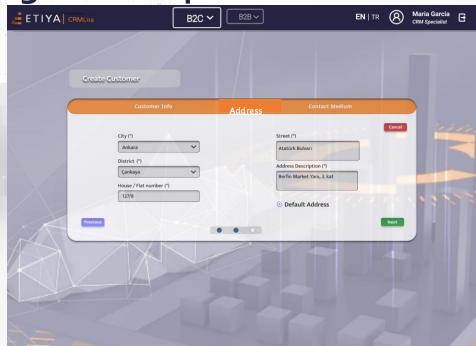
# Fill in the necessary information to create a new customer record. Ensure all details are complete for a smooth registration process.

 Once the required customer details are entered, click the 'Next' button to proceed to the next step, where you will add address and contact information.



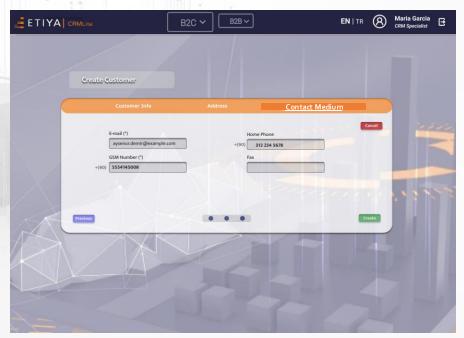
Fill in the necessary information to create a new customer record. Ensure all details are complete for a smooth registration process.

 Once the required customer details are entered, click the 'Next' button to proceed to the next step, where you will add address and contact information.



# Fill in the necessary information to create a new customer record. Ensure all details are complete for a smooth registration process.

 Complete the customer registration by entering the contact details. After filling in all required fields, click
 'Create' to finalize the process and save the customer information in the system.



#### **Application Programming Interface**

- Resources Your API includes the following 3 main resources;
  - √ /login
  - √ /customer
  - ✓ /product
  - ✓ /order



# **Development Process and Project Tools**

## **Project Tools**

Intellij IDEA	AngularJs	MongoDB Compass
Visual Studio Code	Tailwind CSS	DBeaver
Podman	Spring Boot/ JPA	Postgres
npm	MapStruct	MySql
Git-Github	Lombok	Redis
Postman/Swagger	Eureka/Kafka	OpenFeign

# **Testing Process and Project Tools**

- ✓ Business analysts submit the requirements document
- ✓ Creation of test scenerios
- ✓ Creation of test cases
- ✓ Identification of preconditions
- ✓ Determination of expected result
- ✓ Comparison of expected results and actual results

Didem Boran Specialist, Software Quality Assurance



# Advantages of Manual Testing

- Detection of uncoded bugs
- More likely to find real user problems
- Continuous development at the interface level
- Small projects that need to be completed in a short time
- Tests run at longer intervals
- Automating tests is too costly or difficult

#### Advantages of Test Automation

- Speed and Efficiency
- Repeatability
- Large Data Set Testing
- Early Bug Detection
- High Coverage
- Time Savings
- Documentation
- Reduced Human Error
- Continuous Testing
- Cost-Effectiveness

# **Project Tools**

Excel

Shift Jira

IntelliJ IDEA

Podman

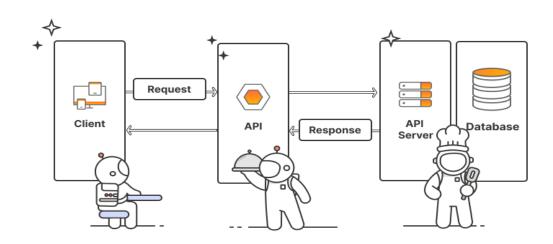
Postman

Selenium

<u>Github</u>



# What is API?



#### **HTTP METHODS**

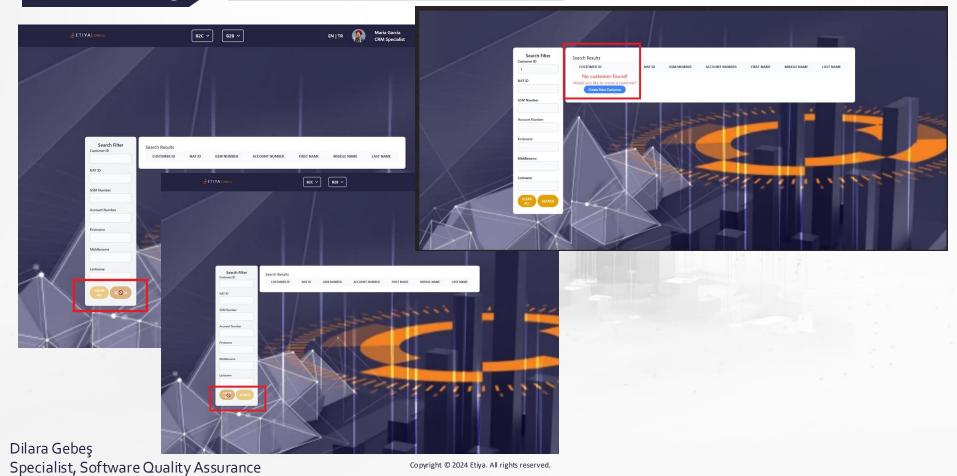
- o GET
- o POST
- o PUT
- o DELETE



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#### ManuelTesting

#### Test scenarios for CRM project.xlsx

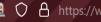


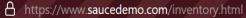


### **Automation** Testing

Is an open-source tool for automating web browsers, allowing developers and testers to simulate user interactions with web applications across different browsers.

Chrome otomatik test yazılımı tarafından kontrol ediliyor.







#### Performance and Load Tests with JMeter

Test Case
1

The response time should not exceed 4 seconds when 500 users access the website simultaneously.

Test Case
2

Ensuring the site's response time remains within an acceptable range under load when the network connection is slow.

Test Case 3

Checking the maximum number of users the site can handle before crashing.

#### Q&A



