

### **3.Work Done**

During my internship, I not only developed applications but also had the opportunity to observe how things work in the world of computer engineering. I made important observations, especially in areas such as project management, design and quality assurance processes. I saw that in order for computer engineering projects to be successful, the right decisions must be made during the design phase, and it must be ensured that the software meets user requirements in terms of both functionality and performance. In my project, I understood how important this process is by testing each added function and taking the time to fix bugs in the software.

#### **3.1 Daily Project**

A diary application is a software application where users can select a specific date and enter a title and content. The aim of the project is to provide users with the ability to keep a diary in a digital environment and store their data securely. The application is an effective digital diary tool that allows users to record and archive important events in their daily lives.

##### **3.1.1. Describing code work**

First of all, the project welcomes us with a login screen. On this login screen, name, surname and username information are received from the user and stored. After entering this information, the main screen is accessed. The main screen was created to provide a system where users can select a specific day, add a title and content, and record the events of that day. When the user clicks the "Add" button, the application automatically creates an XML file and this file is saved to include the title and content. The name of the file is the title specified by the user and is added to the list. If a file is selected from the list, the content of the selected file is read in XML format and loaded onto the screen. The user can change and update the content using the "Update" button. If they want to delete the file, they can use the "Delete" button. When this button is used, the file will be deleted both from the list and from the Debug folder in the background.