



# Patient Directory

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## Overview

In this project, we created a web-based application that displays the patient data on the frontend. On the backend, we created various APIs using which we can get, add, edit, and delete data of a certain patient from an array of patient present. For the frontend part, we used HTML and CSS. While on the backend, we used Java and its open-source libraries SpringBoot and Thymeleaf.

## Our Understanding

1. Initially, we tried to understand the basics of Java. After which we were able to initialize variables and create their Constructors, Getters, and Setters.
2. Then we created a webpage by displaying parameters like name, age, date, temperature, and symptoms. After which we add some CSS code to make our frontend more professional and easier to use by the user.
3. Then we explored the Java library SpringBoot to create APIs in the format: link/address/request. To create a patient directory we created an array system, which made it easier to access the patient data.
4. Then we use another Java library Thymeleaf to connect our frontend with backend, to access the patient data.
5. Then we created documentation for the code and add meaningful comments to our code for better communication.
6. Throughout the internship, we learned to work in a team and tackle various issues and bugs efficiently.