

Student Care Project



Team Members



- Rinki Kundu
- Haarika Sai Katlaparthi
- Payal Nagaonkar
- Nishigandha Patel
- Japan Gor
- Sanjana Chatti



Problem Statement

- No proper student immunization tracking application
- Student - Teacher ratio, to be able to give specific attention to the students
- System to send timely alerts to Students about their next vaccination date



App Features

- Interactive Application
- Students Name, Age
- Parents Name, Address, Phone
- GUI and CSV Files input
- Track annual student registration renewal
- Track Student immunization anniversaries
- Assign Students to Teachers according to state regulations and age of the student
- Track annual employee review

Project Overview

About Application

Details regarding Students, Teachers and Immunization can be recorded and tracked once an administrator logs in the daycare application.



Pattern used

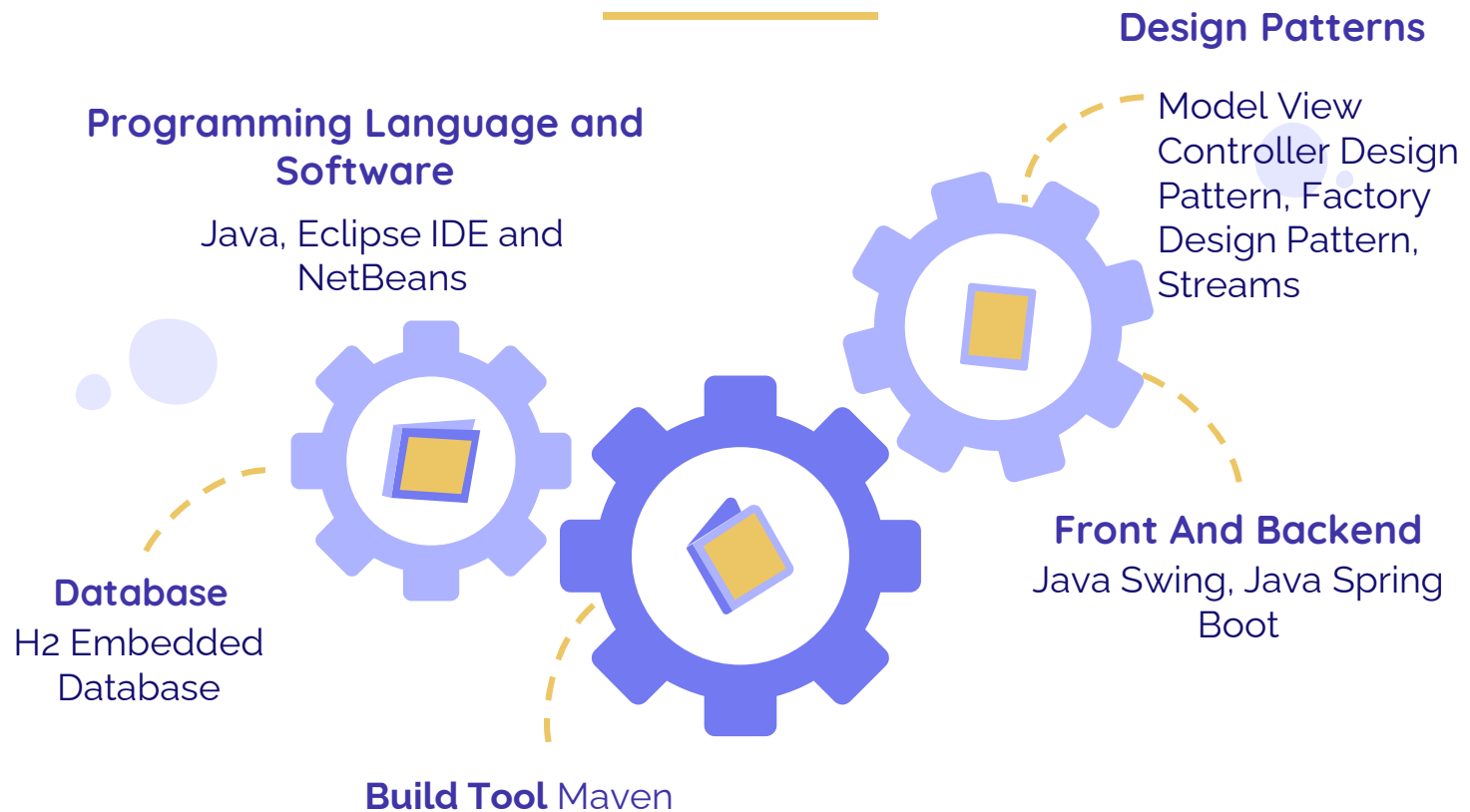
The project follows Factory Design and MVC pattern

Alerts for overdue vaccinations are also generated by the system

CSV File/ GUI input

Details are being recorded and they can be accessed by reading a CSV File or GUI input

Tech Stack



ScreenShots



STUDENT CARE

USERNAME:

PASSWORD:

LOGIN

ScreenShots


STUDENT CARE

STUDENTS

TEACHERS

CLASSES

IMMUNIZATION

**New Student**

Student Id

Student Name

Age

Parent Name

Parent Contact

Registration Date

Add Student


Delete


Clear

Renew

Student_Id	Student_Name	Student_Age	Parent_Name	Parent_Contact	Reg_Date
1	Glenna Chen	19	Benedict S...	1571582466	2022-06-15 ...
2	Ryan Keith	49	Sean Terrell	8587231732	2022-09-02 ...
3	Reese Atkins	39	Jessamine ...	9512345435	2022-09-11 ...
4	Selma Huff	38	Wesley Hig...	4934597378	2022-11-11 ...
5	Devin Hyde	45	Joel Russell	3984843745	2022-08-16 ...
6	Patrick Fow...	142	Shafira Mcd...	5661448328	2022-06-05 ...

ScreenShots

STUDENT CARESTUDENTS**TEACHERS**CLASSESIMMUNIZATION



Add Teacher

Teacher Id:

Age

Name

Ratings

Add Teacher

Clear

Delete

Teacher_Id	Teacher_Name	Teacher_Age	Credits
1	Anne Wheeler	32	4
2	Gisela Burton	50	4
3	Caleb George	31	1
4	Chancellor Pugh	26	3
5	Andrew Rutledge	50	2
6	Ocean Kelly	28	3
7	Dominique King	22	5

Learning Outcome

We learnt the following things while implementing this project



Object Oriented Concepts:
Inheritance, Abstraction,
Polymorphism, Encapsulation

MVC and Factory Data Patterns



For Backend- Spring Boot
For FrontEnd- Swing
CRUD Operations and H2 Database
Parsing entity information from
CSV Files

Future Enhancements



- Multiple roles like Parents Login, Teacher Login etc can be added.
- Application can be made more interactive using technologies like React/Angular.
- Application can be deployed on cloud for better scalability.
- Can be made more scalable by connecting multiple daycares from different geographical regions.



THANKYOU!!

