Doctor Appointment Booking System

Product Owner: Dr.Vivek Menon

Features of the Product

- Patient is able to book appointment with the doctor of Particular specialization.
- Patient is able to cancel the Appointment if he is unable to attend.
- Patient is able to Edit the Appointment if he is unable to attend on Particular Date.
- View his Previous appointments.
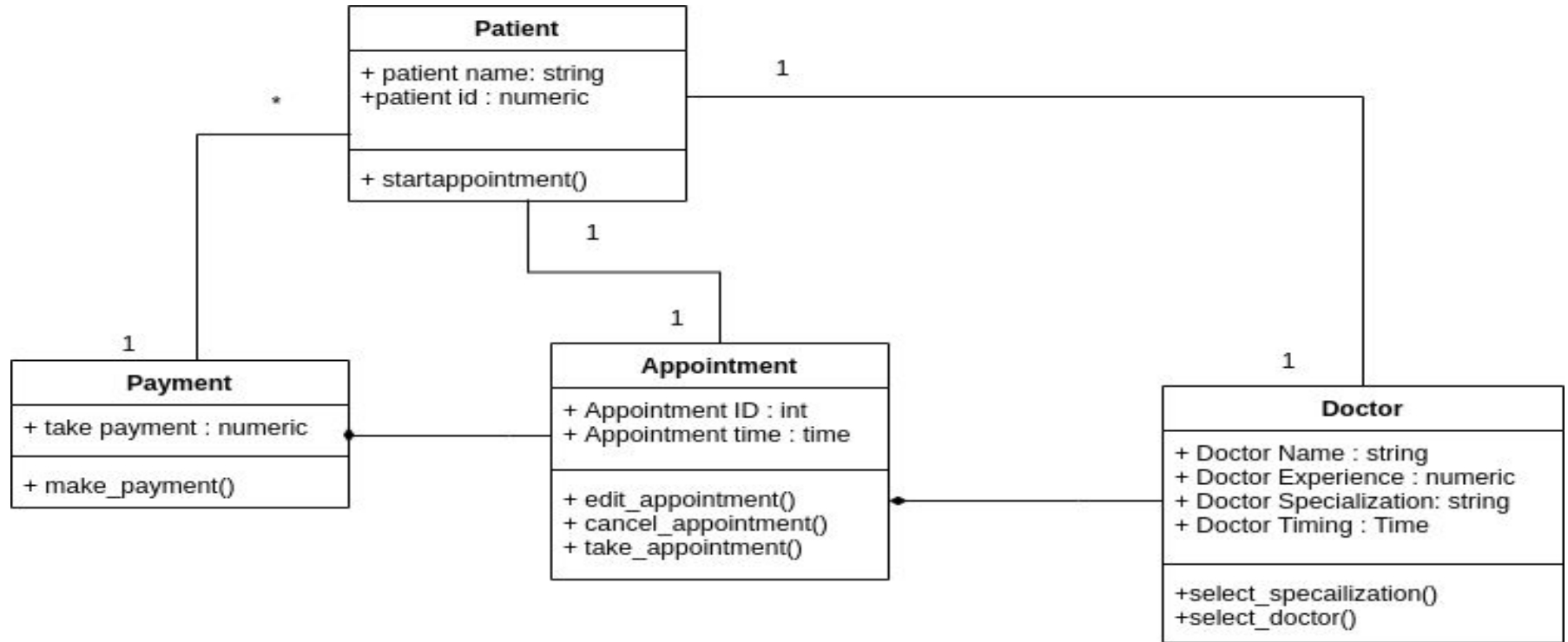
Methodology used while Building the Product

AGILE Methodology

- AGILE Methodology is a practice that promotes continuous iteration of development and testing throughout the software development lifecycle of the product.
- It is iterative
- We followed SCRUM framework for this process
- SCRUM due to its iterative nature proved to be a better methodology than the classic WATERFALL model

Languages Used:

- Front End : Swings, Applets
- Middle End : JAVA
- Back End : MySql

Class Diagram

Patient

+ patient name: string
+patient id : numeric

+ startappointment()

Payment

+ take payment : numeric

+ make_payment()

Appointment

+ Appointment ID : int
+ Appointment time : time

+ edit_appointment()
+ cancel_appointment()
+ take_appointment()

Doctor

+ Doctor Name : string
+ Doctor Experience : numeric
+ Doctor Specialization: string
+ Doctor Timing : Time

+select_specailization()
+select_doctor()

Contributions:

S.S.R Sudhendra (U4CSE17062):

- Scrum master of the project.
- Maintaining team balance and work split among team members.
- Contributed to writing project plans, SRS documents, flow diagrams related to the project.
- Worked on Netbeans IDE installation errors.
- Worked till Phase 1 of the project along with the team.
- Reporting product owner and updating him on the workflow.
- Meeting the deadlines as a team.
- Meeting via Microsoft team's application and discussing the progress of the project.

I.V.V Raghavendra (U4CSE17032):

- Worked with teammates making weekly reports, Sequence diagram, Activity Diagram.
- Worked mostly on the middle-end and Backend of the project.
- Added calendar plugin into the application.
- Worked connection of database with the team.
- Coded Edit appointment, Cancel Appointment, View Appointment, History of Appointment along with the team.
- And also wrote some queries for extracting the data from the database to the Application,
- Been an Active Member for exchanging the ideas for project in the Team.
- Helped Team while writing documentation.
- Tested Project in multiple corner cases and Performed unit testing and integration testing.

D.V.N Sandeep (U4CSE17020):

- The major contribution is the Middle end and UI part.
- worked on the Specialization page, Home page along with the team.
- worked connecting Database to the Middle End.
- worked on writing use cases of our project and designing SRS, user Stories
- documentation.
- Worked along with a team writing Weekly reports, Drawing diagrams.
- was active in the meetings and shared ideas in the implementation of the project.

N Sujan sai (U4CSE17050):

- A major contribution to the UI part.
- Worked on the Login page and Signup page along with the team.
- Worked connecting Database to the UI part.
- Creating SQL tables is the part that gave me the most exposure to Database Management.
- Worked on writing use cases of our project and designing SRS documentation.
- Worked on Integration Testing Documentation.
- Worked on writing Report and discussed about corner cases of the application.

B Siva Praveen (U4CSE17014):

- contributed towards the UI part in developing the application.
- Dealt with SQL queries while updating the database.
- Helped draw flow charts, writing weekly reports.
- Helped the plugin required for the Netbeans IDE.
- Worked on UI designing and tried different styles of designing.
- Worked on writing SRS and user stories.
- Performed System Testing and discussed some cases to test our project.
- Worked on writing Testing plans.

Things we learnt :

- Competence.
- Common focus.
- Collaboration.
- Decision-making ability.
- Fuzzy problem-solving ability.
- Mutual trust and respect.
- Self-organization.

THANK YOU