MINISTRY OF EDUCATION AND SCIENCE OF THE REPUBLIC OF KAZAKHSTAN

INTERNATIONAL INFORMATION TECHNOLOGY UNIVERSITY

COMPUTER ENGINEERING AND INFORMATION SECURITY DEPARTMENT

MILESTONE 2

DA6: NoSQL Data Bases

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GRAPHICAL USER INTERFACE DESIGN

I have used Model-View-Controller software design pattern for The Storage of analyses of enrollment for abiturent project. It is commonly used for developing user interfaces which separates program into three parts.

Model – Handles the data logic and connected to my local Mongodb Database by means of mongoose. mongoose.connect('mongodb://localhost:27017/StudentDB'. StudentDB is a database created for this project and inside it has a collection called Students which collects all data from web application.

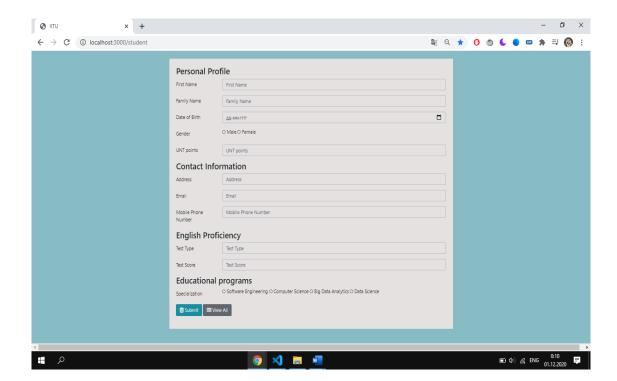
Controller – Handles the request flow, it gets request from user and sent it to Model and View parts and responds with the output.

For instance, this code is used for the showing the list of students. It finds and collects all applicant records from my DB and outputs it in /list page. Otherwise, it shows the error.

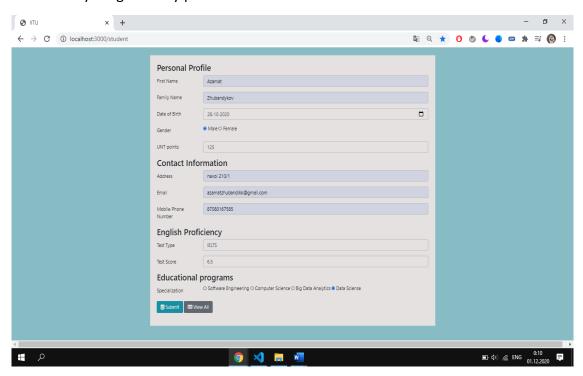
View – Handles data presentation and Dynamically rendered. In my case, I used .hbs extension for view part, because of the fact that I am using Express for visualizing interface, and it can not handle .html. At the current moment I have only two files. First is for filling applicant data, second is for showing the data from the Database.

IMPLEMENTATION

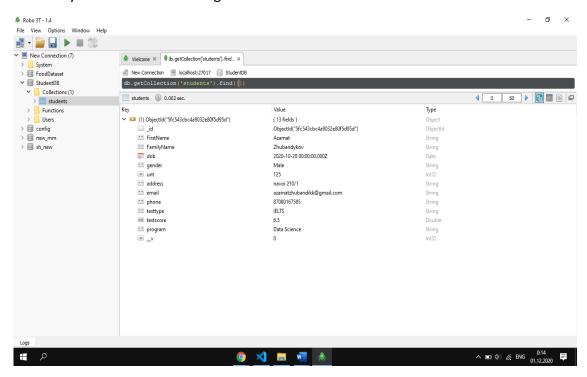
This is the creation page, where admin can create a student record and save it into DB.



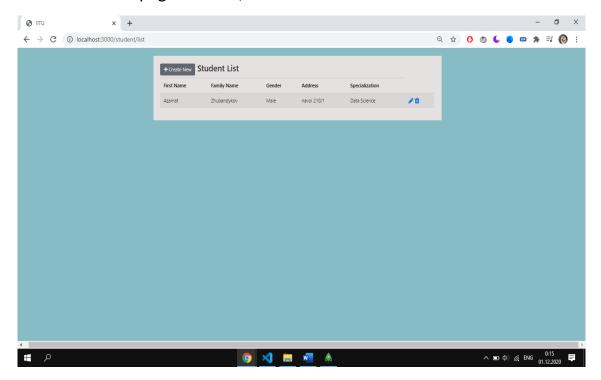
I filled everything with my personal data in order to show how it works.



This is my record saved in Mongodb.

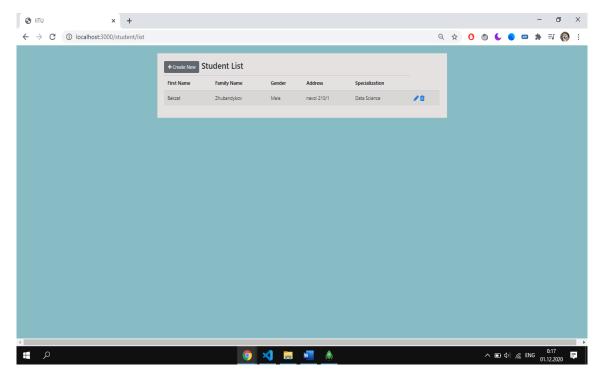


This is available page for user, he can see the same basic information

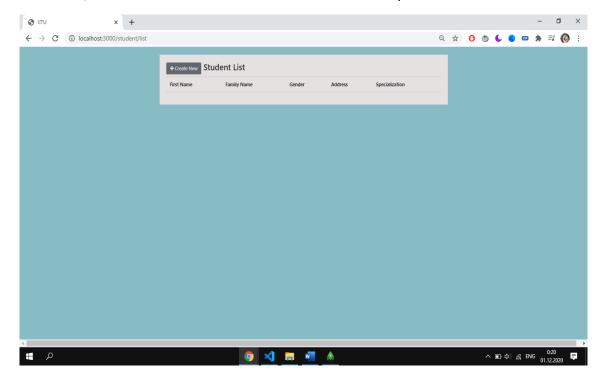


Admin can use buttons on the right side to update and delete the record.

So, I am going to change my name from Azamat to Bekzat. As you can see, the record was updated successfully.



Moreover, admin can delete the data. It was made to complete CRUD circle



And it successfully deleted.