

# AYHA music store

Database class project 2021/2022

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Date/time

-----This section is intended for the Instructor-----

<u>Topic</u>	<u>Mark</u>
Project Requirements and Modeling	
Correctness of Database mapping	
Functional Dependency and Normalization	
Project Tools	
Project Discussion	
Project Completeness	
Project Output Results or reporting (JasperReport, charts, graphs, etc.)	
Project Administration and Management	
Project Report	
Project Idea	
Project Complexity	
Team work	

## **Abstract& Introduction:**

In the beginning, the idea of our project was inspired after a long thought, and we reached a conclusion, which is the selection of the following project: "a store for selling musical instruments and booking tickets for Orchestra" so that the user can buy the musical instrument he wants to buy electronically, and it also provides him with a new feature that may not be available in Many stores, provide the opportunity to sell tickets for concerts with ease

This project will be helpful, like all stores, that reduce time and effort for the interested buyer, and the official will be able to know who has purchased from the store in terms of machines and tickets and their information. The basic structure of our project, first of all it is a database-based software, it will allow the administrator to control and modify the information.

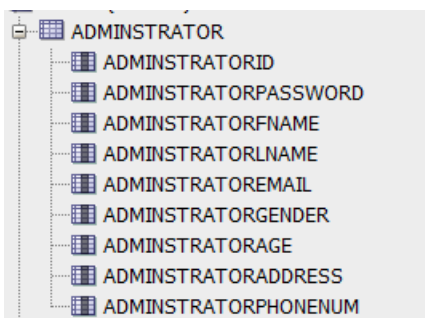
## **Project Requirements:**

- In our institute we have two sections, the first section will provide Orchestra Tickets and the second section provides a store to buy musical instruments (Piano, Guitar, Chello & Violin)
- Each User have: a name which is a composite attribute (First name, last name), birth date, gender, unique SSN, Adress, phonenumber, in addition to email and a password to log in to the application
- Each user who has registered in the application can buy more than one machine he wants and the ability to book more than one ticket in his name for the Orchestra
- Our application has adopted the 3 most famous orchestras to provide tickets and reservations for their concerts The admin will adjust the party venue, date and ticket price according to their latest updates.

- musical instruments includes the following information: (tool name, price, quantity, description.)
- The Orchestra Tickets includes the information: (Price, Time, Course Name)

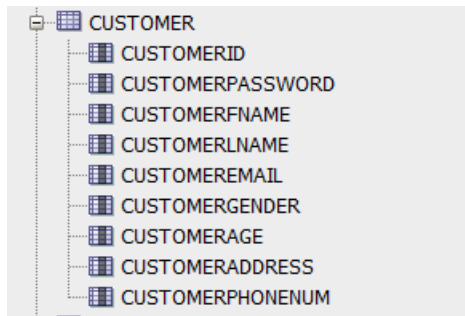
## Functional Dependency:

### Administrator table



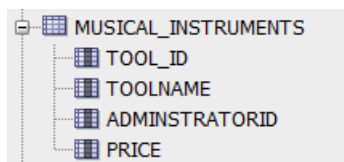
Administrator id (PK), Administratorpassword, AdministratorFname, AdministratorLname, Administratoremail, Administratorgender, Administratorage, Administratoraddress , Administratorphone number

## Cusromer Table



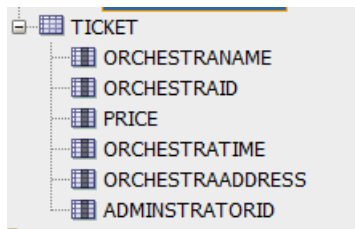
CustomerID(pk), CustomerPassword, CustomerFname,  
CustomerLname, CustomerEmail, CustomerGender, Customerage  
Customeraddress, Customerphonenum

## Musical\_instruments Table



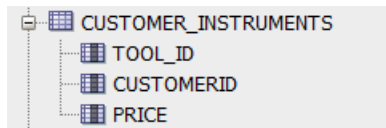
Tool\_ID(PK),ToolName,Price,AdminstratorID(FK)

## Ticket Table



Orchestraid(PK),OrchestraName,Price,OrchestraTime ,  
Orchestraaddress,adminstratorid(fk)

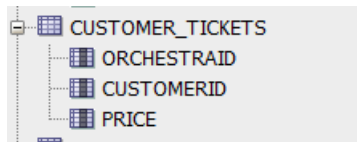
## Customer\_instrumens Table



Tool\_id, customerId,price

That is intermediate table between customer table and musical instruments table because the relation between them is many to many

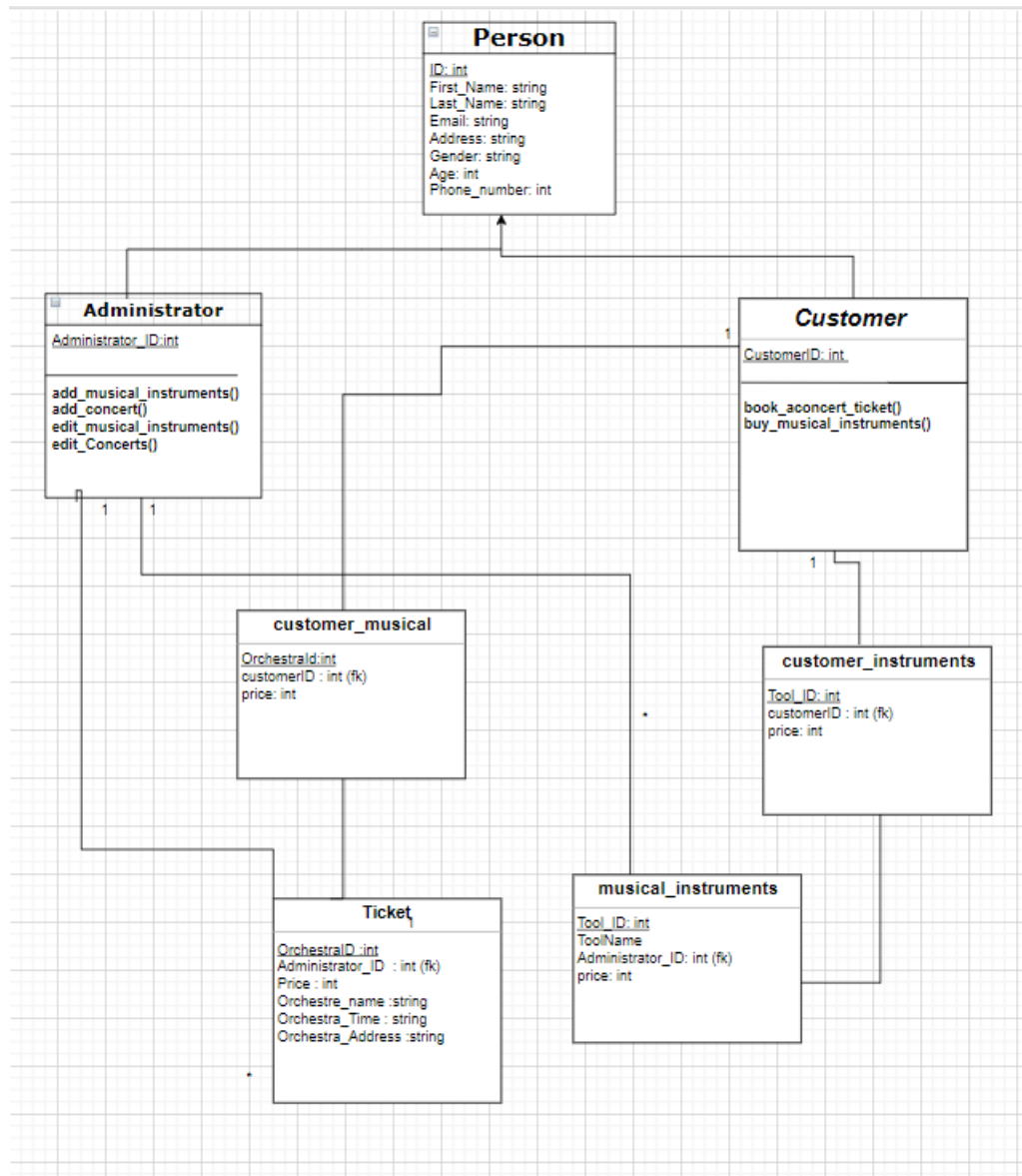
## Customer\_Orchestra Table



Orchestraid, customerId,price

That is intermediate table between customer table and Ticket table because the relation between them is many to many

## Project UML:



## Tools used for Project:

- SceneBuilder
- SQL Developer.
- IntelliJ IDE
- TIBCO Jaspersoft Studio-6.10.0
- Draw.IO

## GUI Discussion:

### **Log in Frame:**

This is the startup frame which let the user enter his own account whether he/she a client or admin, first he/she incase has an existing account in the app he/she will need to enter Email and password to enter their account, and in case they don't have an email they will need to click on Sign up and start making an account in our music store




But if we don't have any account what will we do ?

## Sign Up Frame:


Its very simple to have an account on our application , just you need to enter your Basic information such: User Name and own email, address then click on sign up




AYHA


**AyHa**


# Sign Up



**SSN**











☐ *Female*

☐ *Male*





Back

DONE

## Home:

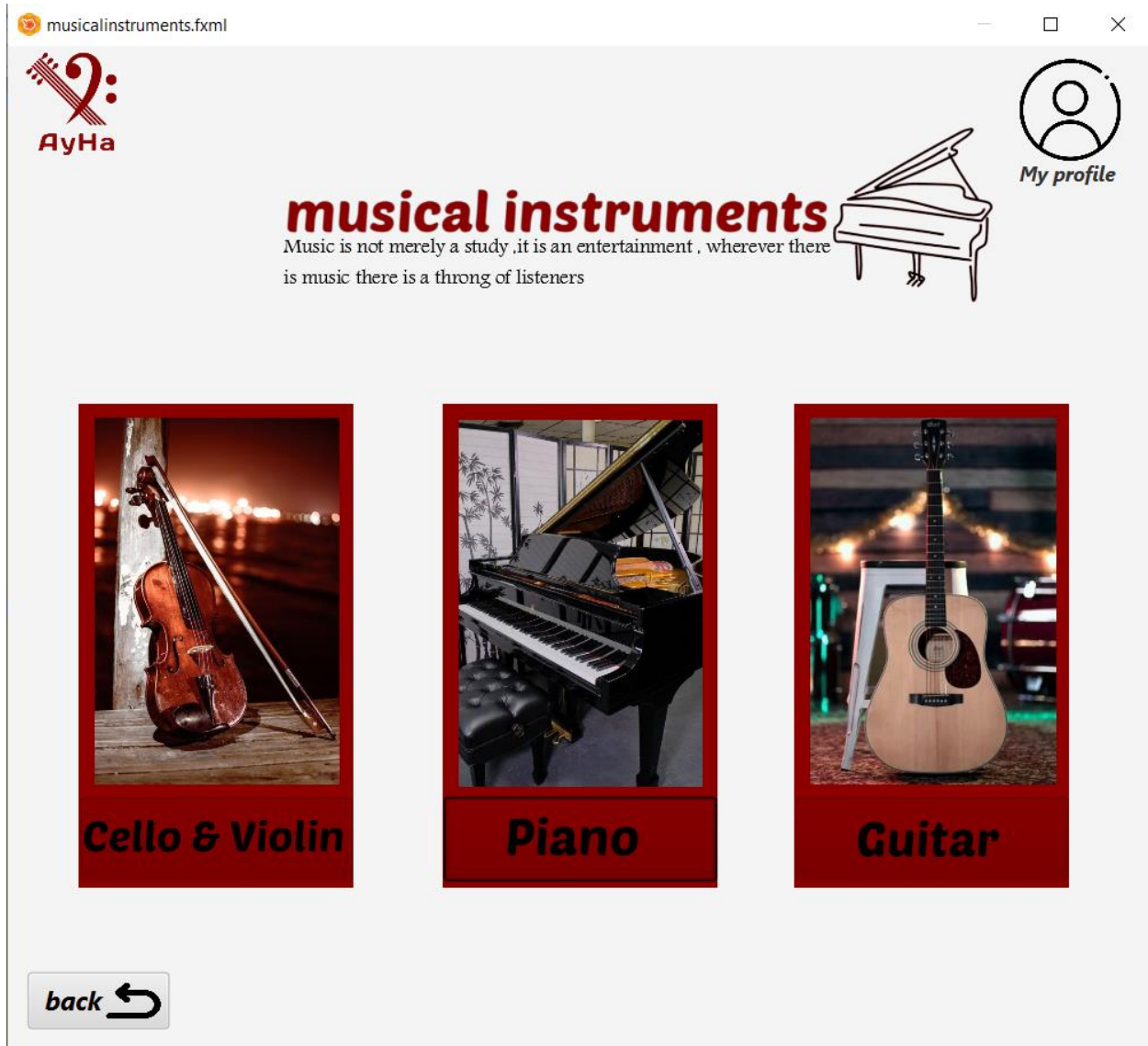
There are two views of home

**The first view its to customers and its exists 3 buttons**



The first button “musical instruments” open new Frame that show the three types of instruments we buy in our application (guitar,poian,chello and violin)

## Musical instrument Frame:



Any button in this frame open new frame like this :

### 1- Chello & violin Frame



## Cello & Violin



***Knilling Perfection I Cello***



***Cremona SC-500 Premier  
Artist Cello Outfit 4/4***



***Yamaha SVC-210SK Silent  
Cello Brown***



***Bellafina Rainbow Series  
Black Violin, Outfit 1/4 Size***



***LaCremona SV-500 Series  
Violinbel Outfit 1/2 Size***



***WilliamRozanna's Violins  
Butterfly Dream White Glitter  
Series Violin Outfit 4/4s  
Symphony***

back 

## 2- Piano Frame:



# Piano



***Williams Symphony***



***Williams Symphony***



***Williams Rhapsody***



***Yamaha P-125BLB***



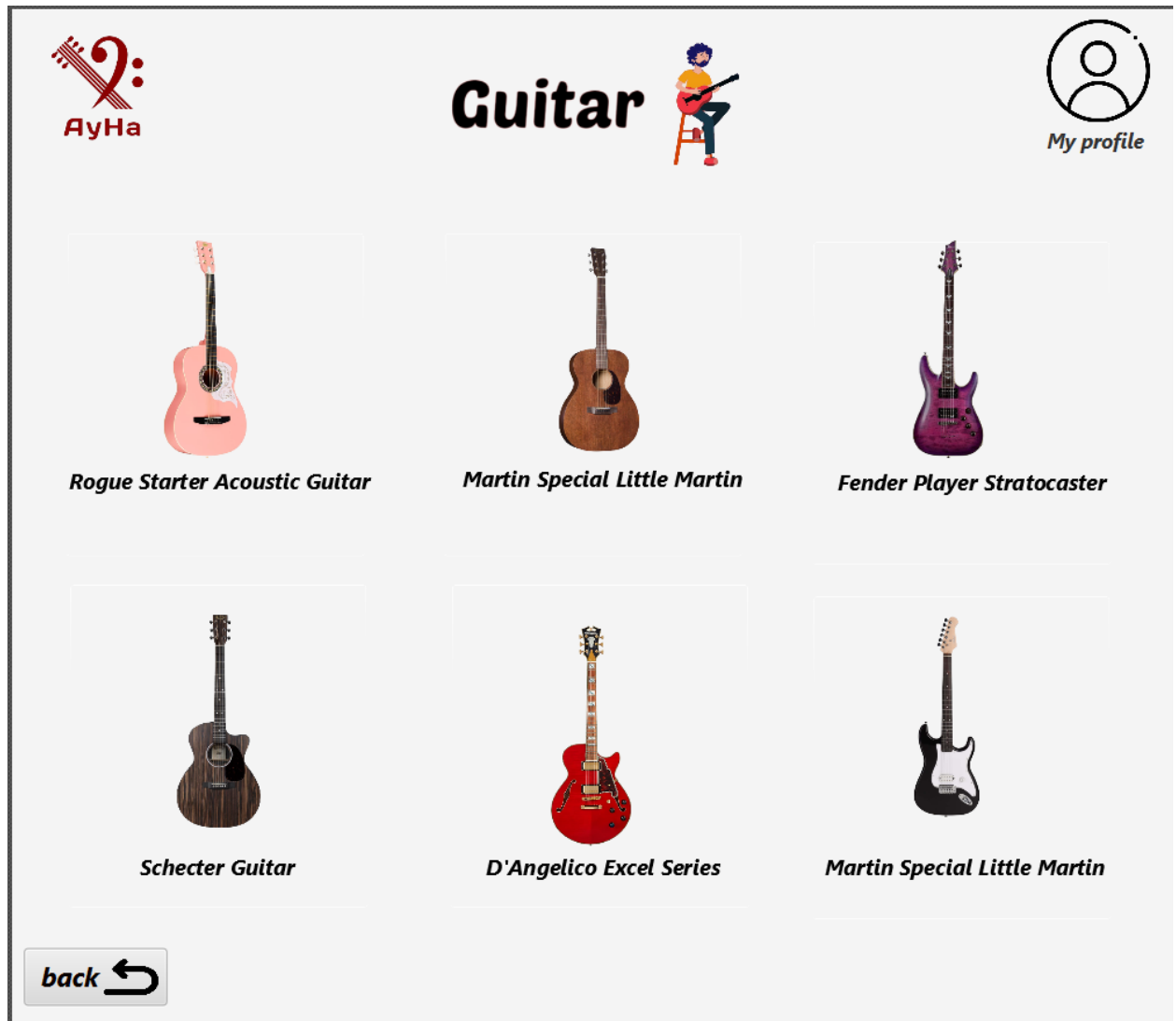
***Nord Piano 5 88***



***Williams Symphony***

**back** 

### 3- Guitar Frame :



And to know more details about the instrument its enough to click on it to open a new frame to show details

The second button “Orchestra” show The Frame with you can book a ticket for one of the three Orchestra in our application

### Orchestra Frame:

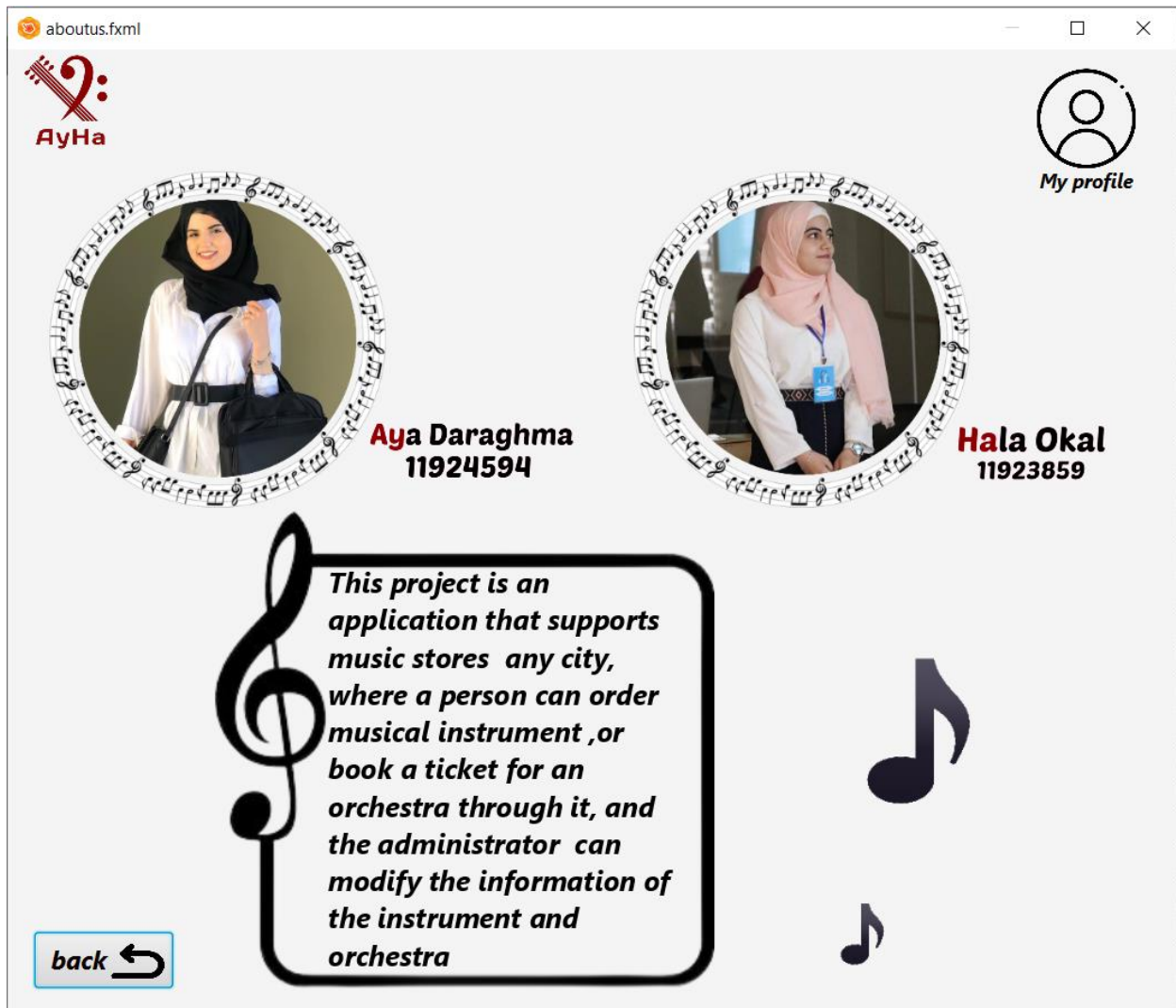


Every Ticket show all deatails about the orchestra

And to book the ticket you will click on “book” button

Finally the third button “about us ” show a simple difintion about us “Aya Daraghma” & “Hala Okal” and about Our Project “AyHa music store”

### About Us Frame:





The second view its to Adminstrator and its exists 3 buttons too



the first button “instruments Table” show the table of instruments in our application

But the second button “Orchestra Table” show the table of orchestras in our application but here the administrator can edit on this informations

The Third button “Customers instruments” show the customers and ther instruments that they buy in the applications

The fourth button “Customers Tickets ” show the Customers and Tickets that they book it and all there informations

### **Customer Profile Frame**


In this frame the customer can see all his information , and update it


And ther is two table

The first table show all tickets the customer book it and the bill of tickets

The secound table show all instruments the customer buy it and the bill of its

customerprofile.xml



**Customer profile**

Email

First name

Last Name

Gender

Password

Address

Phone number


Age

Get your informations

Update


Back

**My Ticket**



Orchestra Name	Price	Quantity
No content in table		

**My instrument bag**

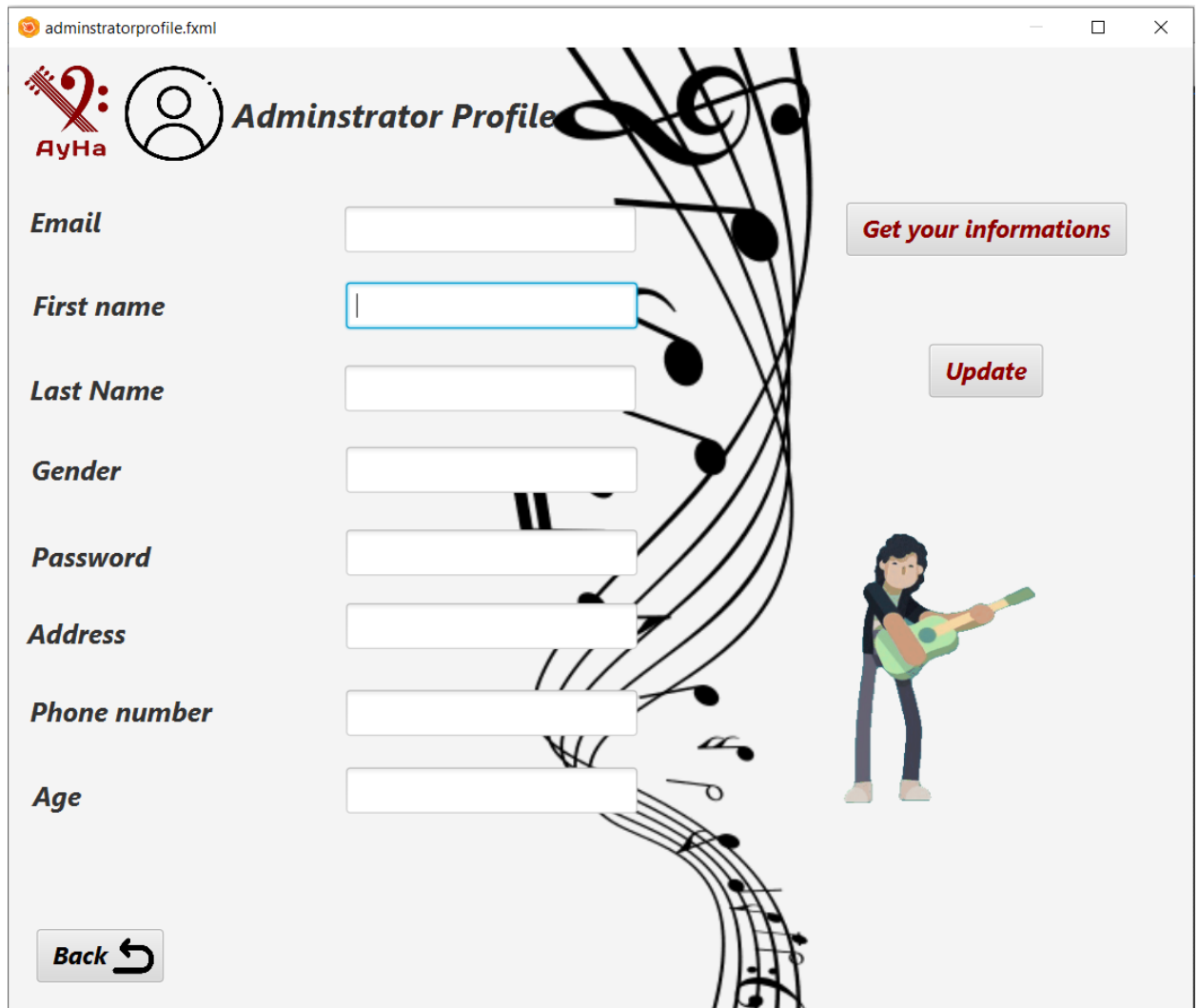


Instrument Name	Price	Quantity
No content in table		

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## Admin Profile Frame

In this frame the Administrator can see all his information , and update it



The screenshot shows a web browser window titled "adminstratorprofile.fxml". The page has a light gray background with a large, stylized musical staff and notes on the right side. In the top left corner, there is a logo for "AyHa" featuring a red musical staff and a person icon, followed by the text "Adminstrator Profile". Below the logo, there is a list of form fields for user information: "Email", "First name", "Last Name", "Gender", "Password", "Address", "Phone number", and "Age". Each field has a corresponding input box. To the right of the form fields, there are two buttons: "Get your informations" and "Update". At the bottom left, there is a "Back" button with a circular arrow icon. On the right side, near the bottom, there is a small illustration of a person playing a guitar.

adminstratorprofile.fxml

**AyHa** Adminstrator Profile

Email

First name

Last Name

Gender

Password

Address

Phone number

Age

Get your informations

Update

Back ↶