ID: 22792
NAMES: Niyimfashije Mediatrice

Burundian National Identity Application System

Introduction

A Burundian National Identity Application System is a computer software designed to help Burundian Citizens to apply for national identity card with a computerized system. It provides a user-friendly interface for citizens or sector executive secretary to add, update, delete, retrieve and search the citizens applied, served in the system's database.

With this system, the citizen will be able to apply for the national identity card and the information provided will be stored in the database so that the sector executive secretary can easily view the applied citizens from the database and be able to update, such as title, author, publisher, and name. They can also update existing books' information.

Furthermore, the Burundian national identity application System allows sector executive secretary to delete citizens from the database when necessary. This feature is particularly useful when the citizen died. It will be facilitating the work for Sector Staff and also for the citizens.

Purpose of the project

The purpose of Burundian national identity application system is to help citizens to apply easily for a national identity card, help the sector staff to provide a good service to the citizen and also keep information for their citizen.

This system will help citizen to do not suffer filling the paper for application also going to the office sometimes don't be served and go back again, it will help in saving time.

Project requirement

Functional requirement

- Citizen should be able to create account
- Citizen should be able to login
- Citizen should be able to apply for a national id card
- Sector staff should be able to view the applied citizen
- Sector staff should be able to delete a citizen in system
- Sector staff should be able to update citizen's info in a system
- Sector staff should be able to send an email to a citizen for approval

Non -Functional requirement

- ➢ The system should allow a user who signed up to login
- ➢ The citizen should fill the application form only if they have logged in.

- ➤ The system shall be able to respond in 5 seconds
- ➤ The system shall be able user friendly
- ➤ The system shall able to run on window 10 or window 11 without change in its behavior.

Implementation

- ➤ Backend Implementation
    - ▪ The backend is implemented using Java and Spring boot
    - ▪ The project is organized into different packages such as controllers, services, models and repositories.
    - ▪ Data persistence is achieved using HTML, CSS and JavaScript
    - ▪ Input validation and error handling are implemented using Spring validation and exception handling mechanisms

- ➤ Frontend Implementation
    - ▪ The frontend is developed using HTML, CSS and JavaScript
    - ▪ Thyme leaf template engine is used for server-side rendering of dynamic webpages
    - ▪ Client-side form validation is implemented using JavaScript

- ➤ Database Implementation
    - ▪ The database is implemented using MySQL
    - ▪ The database Schema is used to store student information and their login credentials

- ➤ Development Environment
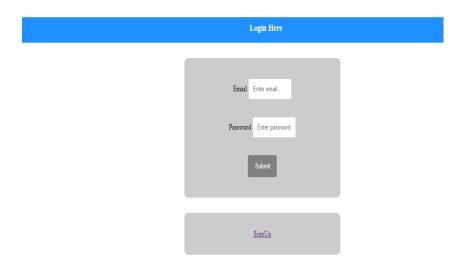   - ▪ Operating system: Windows 10
    - ▪ IDE: Visual studio code
    - ▪ Database: MySQL

- ➤ Screenshots

In this system the user ad the admin have to login to perform other actions.

But the system will take the admin to the page where he will be able to view all applicants so the admin will be able to perform actions delete I case the user is served, update date in case it is needed or adding may be a citizen who don't know to use a system for applying

Login Here

Email [Enter email..]

Password [Enter password]

[Submit]

SignUp

Add Citizen information

Id	Names	Gender	Birthdate	Address	Telephone	email	Edit	Delete
1	umuhire	Female	12-12-2020	kigali	56789000	we@gmail.com	Edit	Delete
2	tyuiop	Female	12-12-2020	kigali	45678	amahoro@gmail.com	Edit	Delete
3	fghjkl	Female	12-12-2020	kigali	56789	joumuhire@gmail.com	Edit	Delete
4	didi	Female	12-12-2020	kigali	45678	mediatriceiyi@gmail.com	Edit	Delete
7	umuhire	Female	12-12-2020	kigali	67890	mediatriceiyi@gmail.com	Edit	Delete

Total Row: 8

1 2
Next
Last

These 1, 2 next ad last are for pagination

Add Citizen information

Id	Names	Gender	Birthdate	Address	Telephone	email
1	umuhire	Female	12-12-2020	kigali	56789000	we@gn

Registered Success

Please fill in this form for application.

[Enter names]

[Enter gender]

[Enter Email]

[Enter dob]

Update

7

Names

umuhire

Email

mediatriceiyi@gmail.com

Phone

67890

Gender

Female

birthdate

12-12-2020

address

Email

mediatriceiyi@gmail.com

Phone

67890

Gender

Female

birthdate

12-12-2020

address

kigali

Update Citizen

Citizen number 7 has been updated

Add Citizen information

Id	Names	Gender	Birthdate	Address	Telephone	email	Edit	Delete
1	umuhire	Female	12-12-2020	kigali	56789000	we@gmail.com	Edit	Delete
2	tyuiop	Female	12-12-2020	kigali	45678	amahoro@gmail.com	Edit	Delete
3	fghjkl	Female	12-12-2020	kigali	56789	joumuhire@gmail.com	Edit	Delete
4	didi	Female	12-12-2020	kigali	45678	mediatriceiyi@gmail.com	Edit	Delete
7	umuhire	Female	1998	Muyiga	67890	mediatriceiyi@gmail.com	Edit	Delete

Total Row: 8

1 2

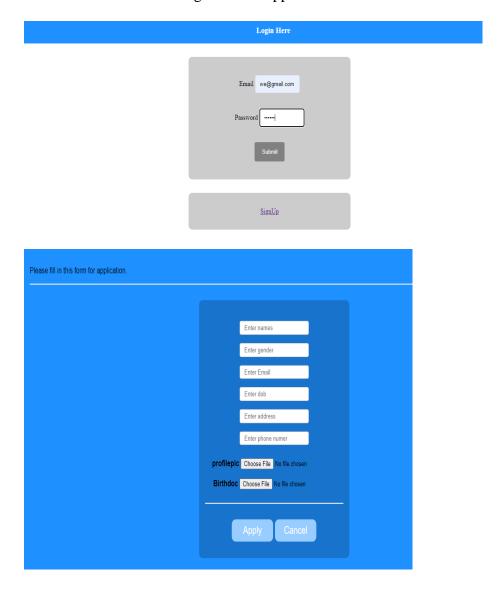Citizen number 2 has been deleted

Add Citizen information

Id	Names	Gender	Birthdate	Address	Telephone	email	Edit	Delete
1	umuhire	Female	12-12-2020	kigali	56789000	we@gmail.com	Edit	Delete
3	fghjkl	Female	12-12-2020	kigali	56789	joumuhire@gmail.com	Edit	Delete
4	didi	Female	12-12-2020	kigali	45678	mediatriceiyi@gmail.com	Edit	Delete
7	umuhire	Female	1998	Muyiga	67890	mediatriceiyi@gmail.com	Edit	Delete
6	fghjkl	Male	12-12-2020	kigali	7890	mediatriceiyi@gmail.com	Edit	Delete

Total Row: 7

1 2
Next
Last

User/Citizen

First of all he/she has to login and do application

Login Here

Email we@gmail.com

Password ••••••

Submit

SignUp

Please fill in this form for application.

Enter names

Enter gender

Enter Email

Enter dob

Enter address

Enter phone numer

profilepic Choose File No file chosen

Birthdoc Choose File No file chosen

Apply   Cancel

And he/she does not have account he must signup

Sign Up Page

full names

user Email

Password

Sign Up

Already have account? Login Here