OOP –ASP.NET

PROJECT 4
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Appendix

Project

The project is about making a windows form application on VS to edit data from a database, and make another program using ASP.NET to view data.

Windows Form application is build for INSERT,UPDAT,DELETE data from a database and the ASP.NET application is for view data from the database.

ASP.NET is a Web form application (I made it using MVC)

I add a grid view to both applications.

SQL

I have a database running and it has Mix access it will make it possible to gain access using a username and password or windows authentication.

But windows authentication has the full access to the database. I made a user through windows authentication and gave read and write access to that user, and used that user on my windows form application.

Data in the database

There are 3 tables in total.

Data in the database – this hyperlink will show a picture of the data in the database (the country table and ranks table is combined with an inner join there for it will represent in a one table)

Country table, Ranks table and 3 user data tables. This will explain in the IR diagram I made about the database.

The IR diagram - this hyperlink will show a picture of the IR diagram.

QUARY - code

QUARY – Select statements

C#

There were no problems when making the windows form application, I used 3 forms one for the login page and one for the grid view and one for the chart.

Step by step explanation of the Windows app

Step1- The application start with the form1 which is the log in page. Log in username and password is simple

(Username: **Admin** and Password: **Passw0rd**)

Soon as the user enter the username and password the connect button will be enable to click.

And if there is an issue with connecting to the database the program will stop working and give an explanation why the program stopped working.

Step2- If the connection is successful the gridview will appear in another window and the login form will run in the background.

When the user is in the form2 the user can see the data in the database and user have access to INSERT,UPDATA and DELETE data from the database.

INSERT – user can't insert data if any of the textboxes are blank

UPDATE- when user need to update data, the user have to specify the movie ID

The search bar is a live search bar it will search data while the user is searching data and it shows all the recommended results when searching fx. If user type "Av" the search bar will automatically show Avengers.

ASP – I won't add the ASP project codes in the report but it can be viewed by opening the .sin file in the WebApp folder.

However I the screenshots of the program will be in the Hyperlinks

Step by step explanation of the Windows app

WebHomePage – In the home page the user can read about what LAX is and Contact information. And there is a link in the navigation bar and a button to access to the gridview

WebGridView – this is a different page I create by using HTML and CSS and the grid view is built in the HTML

All the user information are in the database.

Unity

I made a simple unity game where you have to jump over obstacles, there are point system and jump functions, you can jump using (space, left mouse click and arrow up buttons) if you hit an obstacle then the game will restart.

I made the interface using unity and made functions to the game using C# VS.

You can play the game on my website (it's built in a WebGL) JumpyJump

Graphics

Game screenshots - gameplay

Videos and pictures

the pictures and the SQL scrip are in the project folder and on the hyperlinks.

C# codes will be in hyperlinks and the full application will is in the LAX_A_SWindowsForm folder.

The project can be viewed by opening the .sin file but it won't work properly when the database is offline.

Captures configuring windows server 2014

Time schedule

6-02-2019: Checked out all the source videos and read about creating a database on a server

7-02-2019: Installed the windows server and set up the database.

11-02-2019: Started programing the SQL database (insert all the data)

12-02-2019: There were problems with my SQL server so it took me long time to get it up and running in a way I can use it on my other computer.

19-02-2019: The final configuration on the SQL database.

20-02-2019: Programing and designing the windows form application. (Finished it the same day I stared)

21-02-2019: Doing the final touches on the Server and the application and making the report.

Conclusion

This project is about leaning to build a database and the on a server and create a windows form application so print data using the database.

So when the data has to be updated, developers only have to make changers on the database not in the application.

Same with making users and deleting users. The database developing team can always add and remove users from the database.

The applications will not respond to the user is the user data is not exist in the database.

So the main goal in this project is creating and leaning about back end development.

Appendix

Hyperlinks

SQL – LAX A/C

```
use master;


if db_id('LAX_AC') is not null

begin

drop database LAX_AC

end


go

create database LAX_AC;


go

use LAX_AC
```

```sql
-- create table1

create table Movie(
MovieID int identity not null primary key,
Title nvarchar (20),
Movie_Description nvarchar (500),
Casts nvarchar (200),
ReleasedYear int
);

-- create table2

create table Popularity(
MovieID int identity foreign key references Movie(MovieID),
Clicks int
);

create table users(
UserID nvarchar (10),
Pass nvarchar(20)
);

insert into users
values('Admin','Passw0rd')

insert into Movie
values('Avengers','Bunch of superheros tryin to kill eachother','Brian Nanayakkara, Jhonny deep, Mhichel Jackson',2020),

('KILL hero','Bunch of superheros tryin to kill eachother','Happy Birthday, Gini Pig, Fluffy Wof',2010),
```

('Flex','WeirdFex but ok','Iphone X, Its Him, Not Me',2019)

insert into Popularity(Clicks) values(2123),(2223),(2323)

Select statements

select Movie.MovieID, Movie.Title, Movie.Movie_Description, Movie.Casts, Movie.ReleasedYear, Popularity.Clicks from Movie join Popularity on Movie.MovieID = Popularity.MovieID

select Movie.MovieID, Movie.Title,Movie.Movie_Description, Movie.Casts, Movie.ReleasedYear, Popularity.Clicks from Movie join Popularity on Popularity.MovieID = Movie.MovieID where Movie.Title like '%av%' or Movie.Casts like '%av%' or Movie.ReleasedYear like '%2013%'

select Popularity.Clicks from Popularity where Popularity.MovieID = 2

select Movie.MovieID from Movie

select * from Movie

select * from Popularity

select * from users

Tables in the database

	MovieID	Title	Movie_Description	Casts	ReleasedYear	Clicks
1	1	Avengers	Bunch of superheros tryin to kill eachother	Brian Nanayakkara, Jhonny deep, Mhichel Jackson	2020	21112
2	2	Ded hero	Unhappy superheros AHAHAHAAH	Happy Birthday, Gini Pig, Fluffy Wof	2010	22015
3	3	Flex	WeirdFex but ok	Iphone X, Its Him, Not Me	2019	23648
4	4	Name	About My Names	FirstName, SecondName	2014	420

	MovieID	Clicks
1	1	21112
2	2	22015
3	3	23648
4	4	420

	UserID	Pass
1	Admin	Passw0rd

IR Diagram
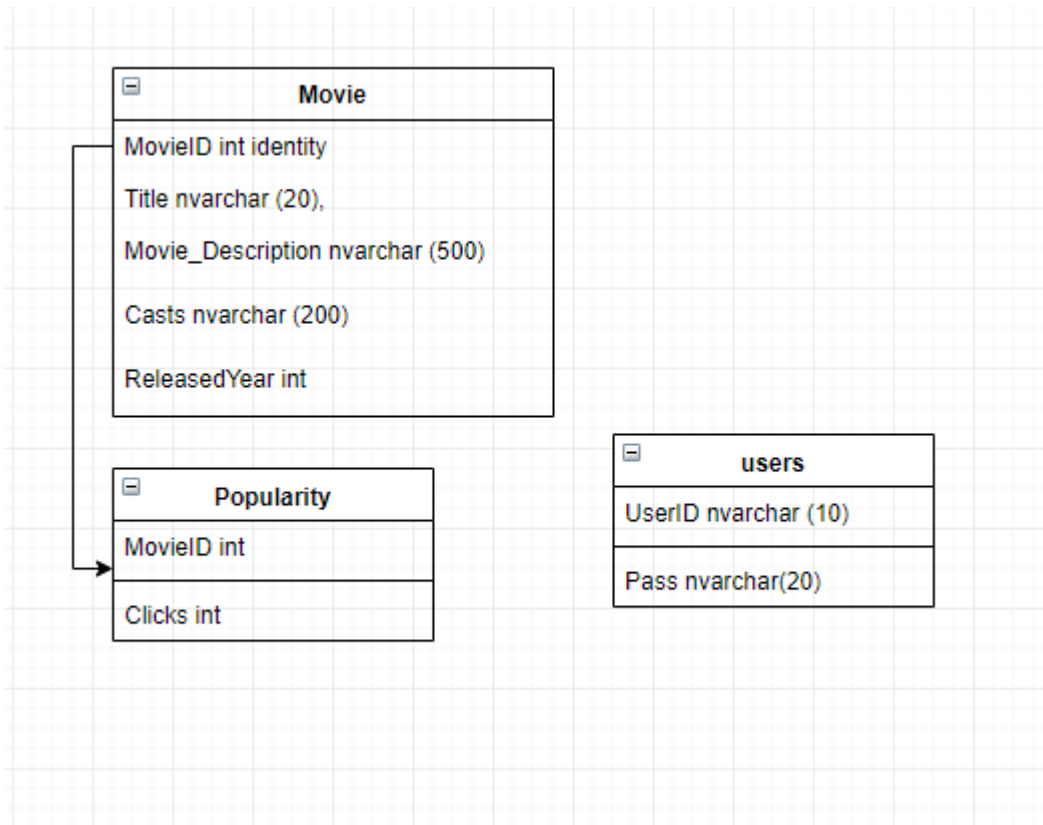
Movie

MovieID int identity

Title nvarchar (20),

Movie_Description nvarchar (500)

Casts nvarchar (200)

ReleasedYear int

Popularity

MovieID int

Clicks int

users

UserID nvarchar (10)

Pass nvarchar(20)

Grid view

MovieID	Title	Movie_Description	Casts	ReleasedYear	Clicks
1	Avengers	Bunch of superh...	Brian Nanayakka...	2020	21112
2	Ded hero	Unhappy superh...	Happy Birthday, ...	2010	22015
3	Flex	WeirdFex but ok	Iphone X, Its Him...	2019	23648
4	Name	About My Names	FirstName, Seco...	2014	420

Search by (Title,Cast,Year)

Refresh

MovieID

Insert data

Update data

Delete data

Configuring windows server 2014

Installing features to windows server
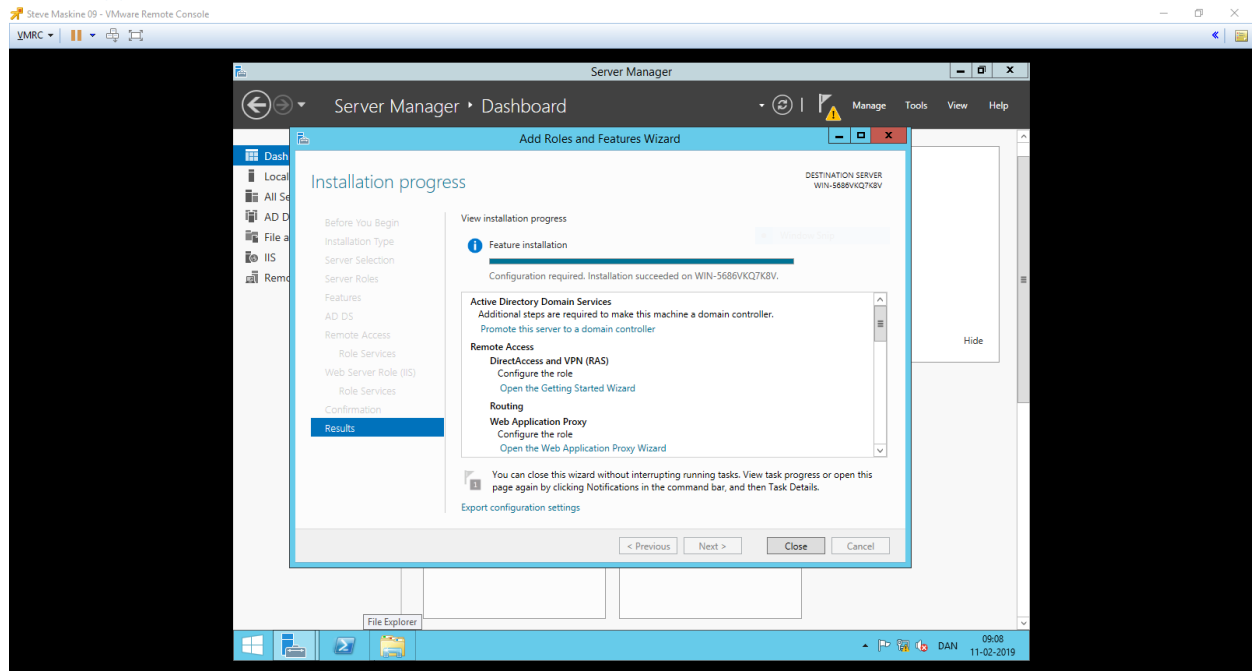
Configuring the network-
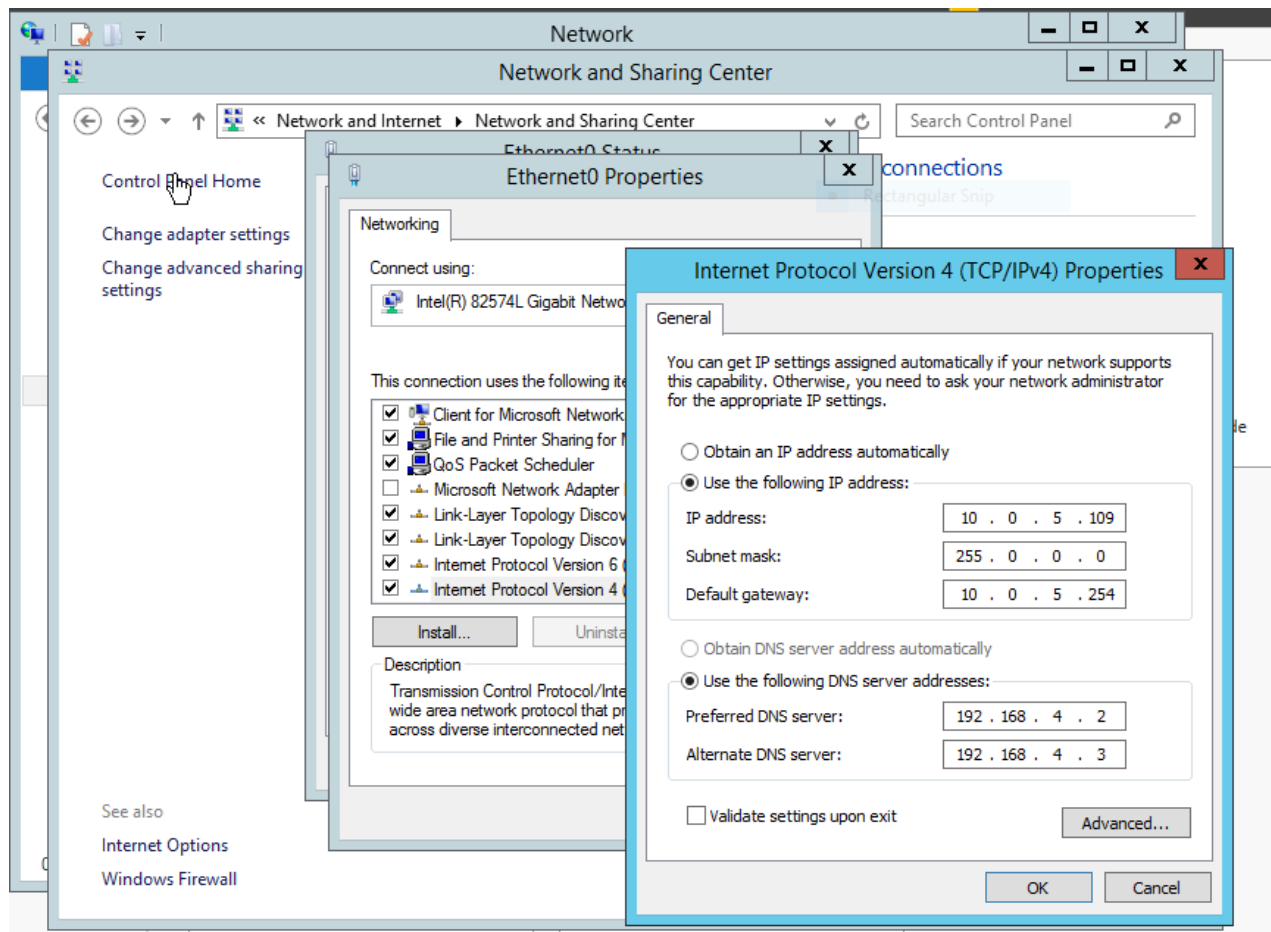
Installing SQL
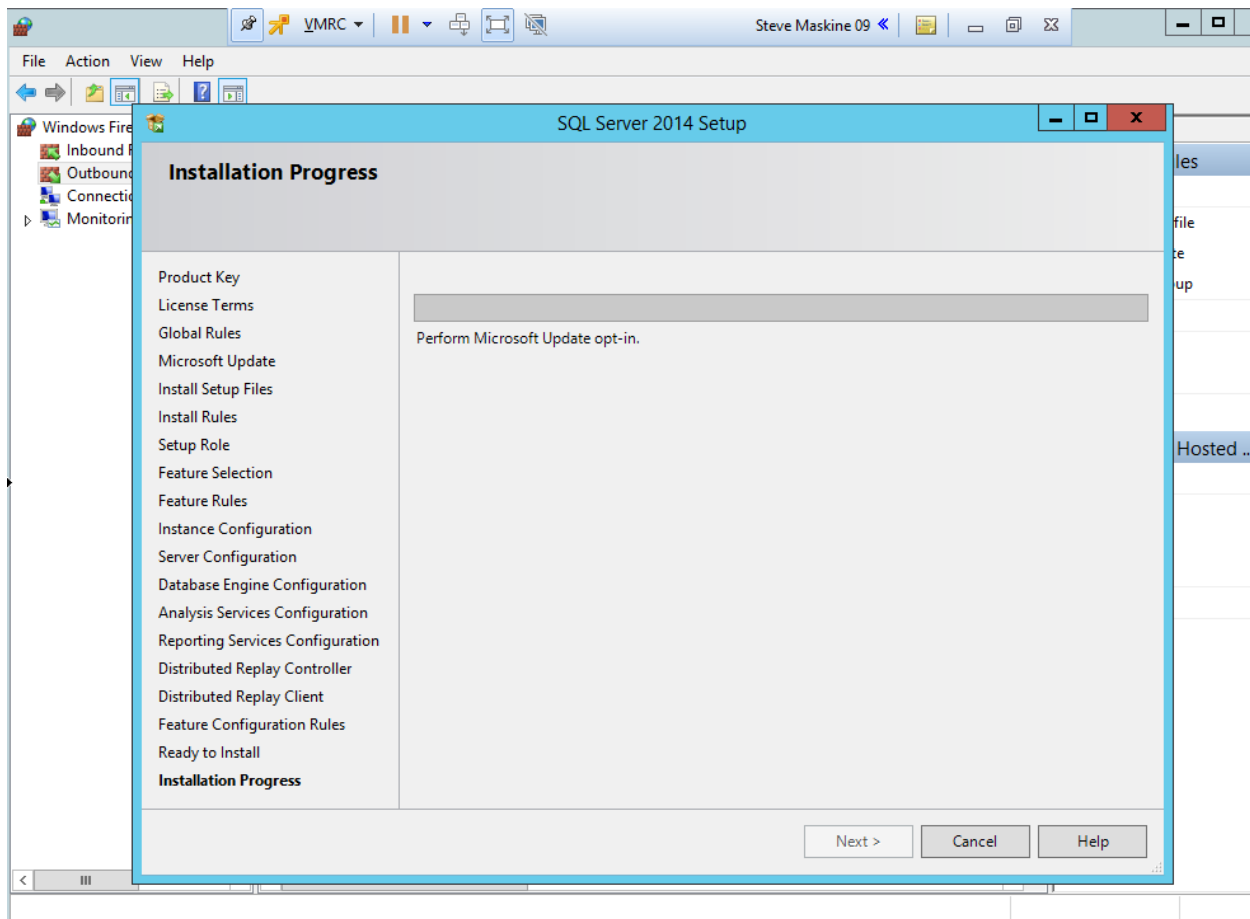
WindowsApplication

Step1

Step2

Insert

InsertForm

Insert movie data

MovieTabe

| Title | Description | Cast |

Release Year

Popularity

Views

Insert

Update

ASP.NET –MVC

WebHomePage

LAX web viewer   GridView   About   Contact

LAX AND CHILL

You can view movie informations here.

Open Movie list »

Why LAX??

Because we have data.

Learn more »

Why we do this

Because school ask me to

Learn more »

LAX AND CHILL??

Dont watch and drive

Learn more »

© 2019 - LAX A/C
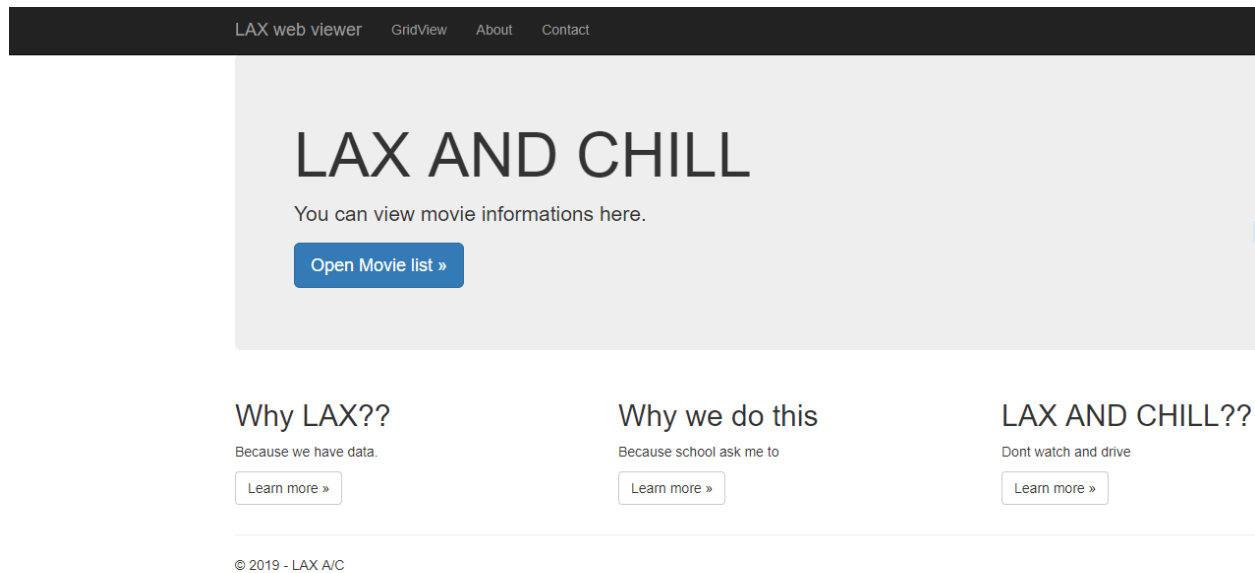
WebGridView

Back

MovieID	Title	Movie_Description	Casts	ReleasedYear	Clicks
1	Avengers	Bunch of superheros tryin to kill eachother	Brian Nanayakkara, Jhonny deep, Mhichel Jackson	2020	21112
2	Ded hero	Unhappy superheros AHAHAHAAH	Happy Birthday, Gini Pig, Fluffy Wof	2010	22015
3	Flex	WeirdFex but ok	Iphone X, Its Him, Not Me	2019	23648
4	Name	About My Names	FirstName, SecondName	2014	420

Graphics
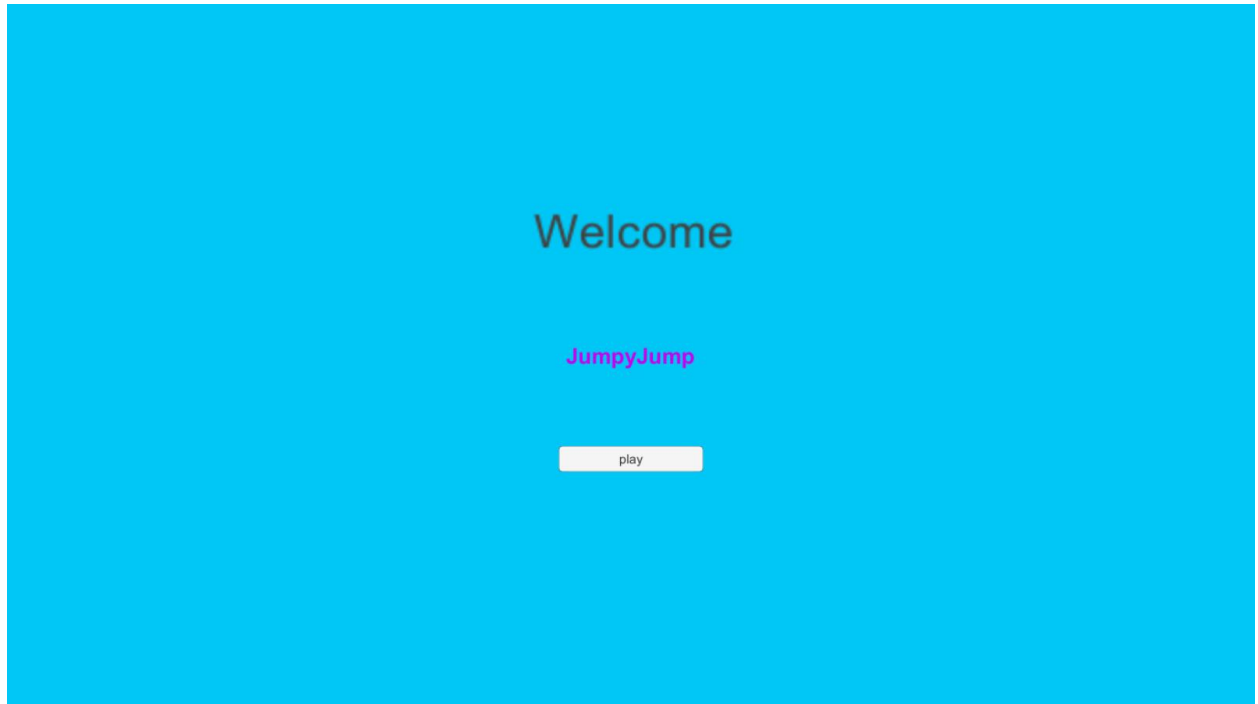
Player

Runner

Police (obstacle)
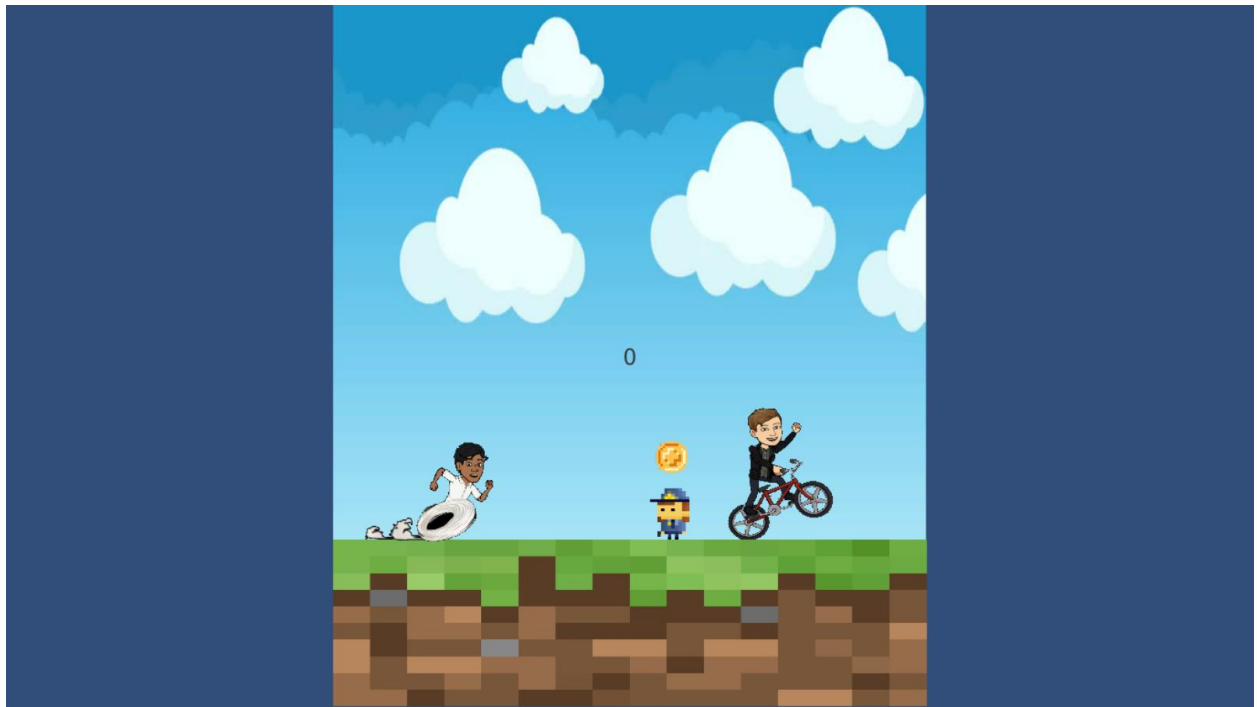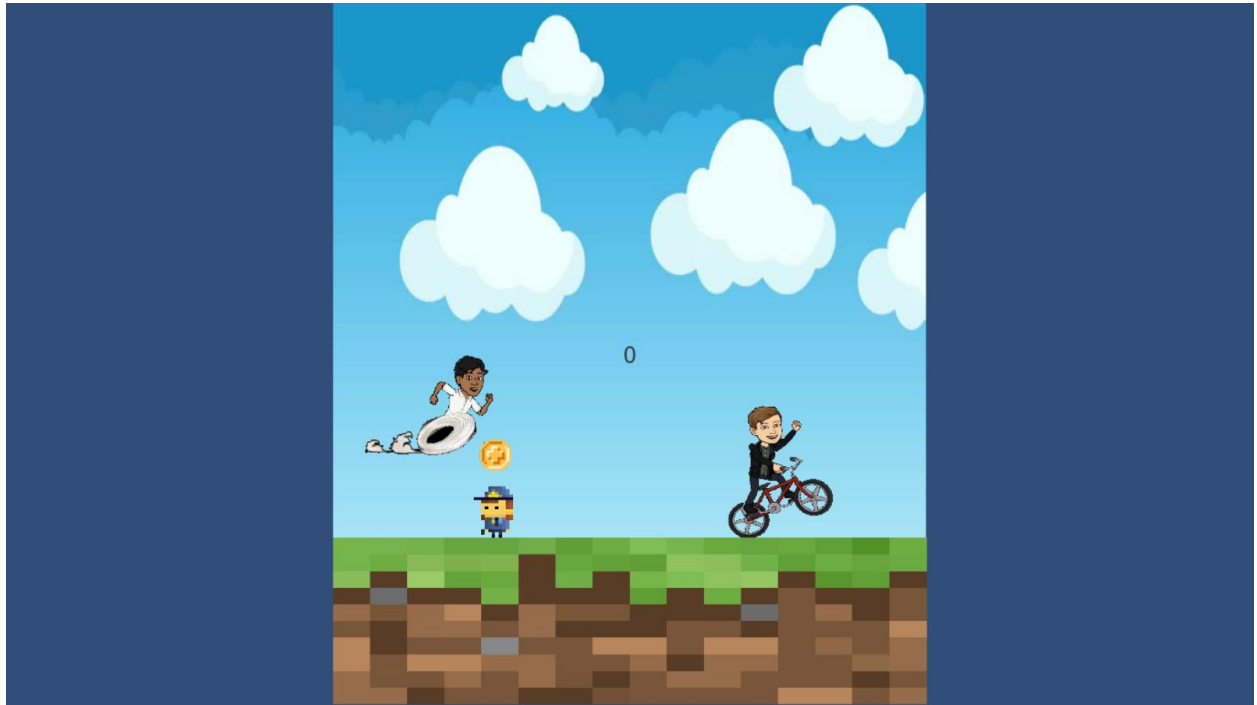
Coins
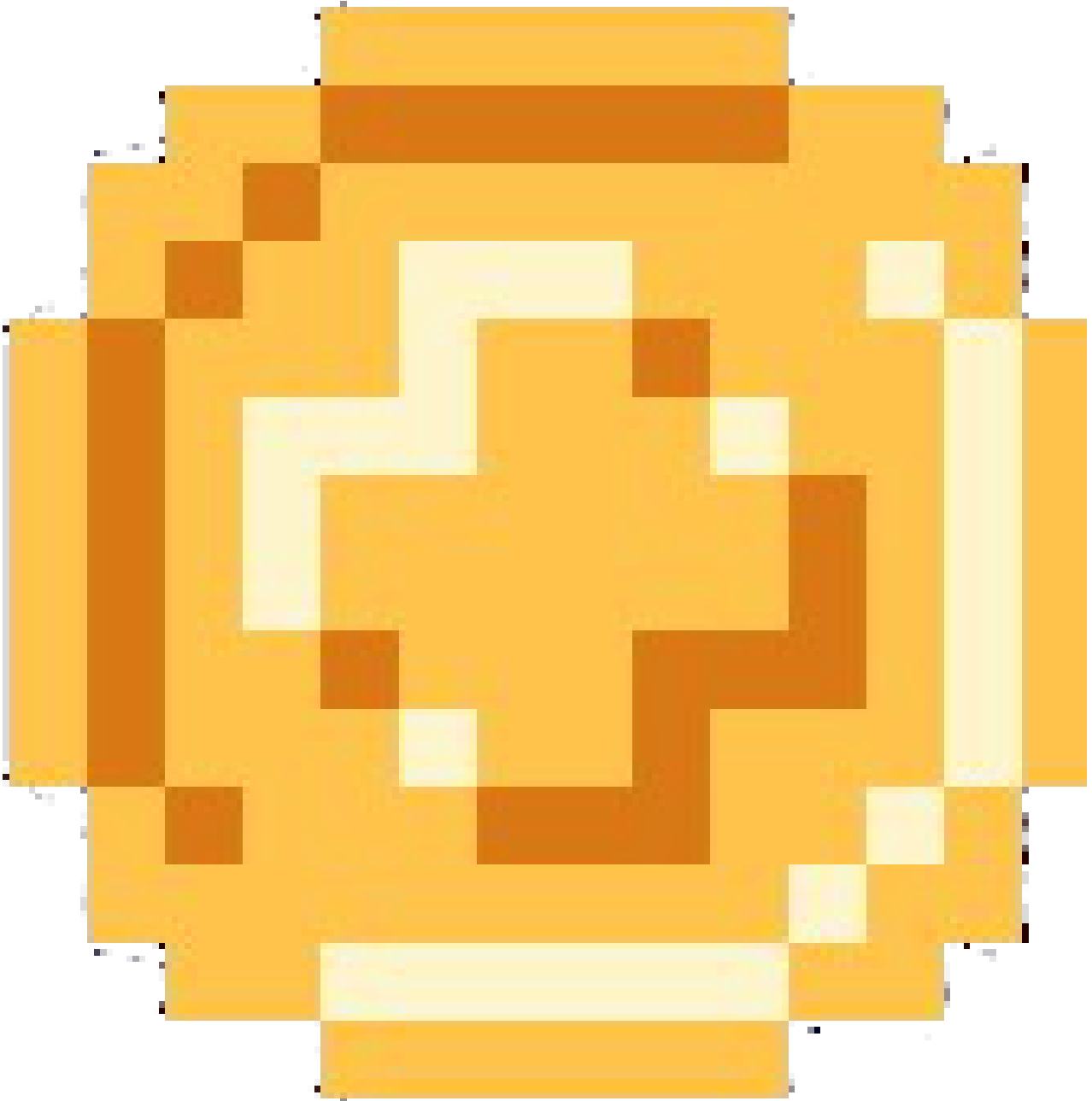
Sky
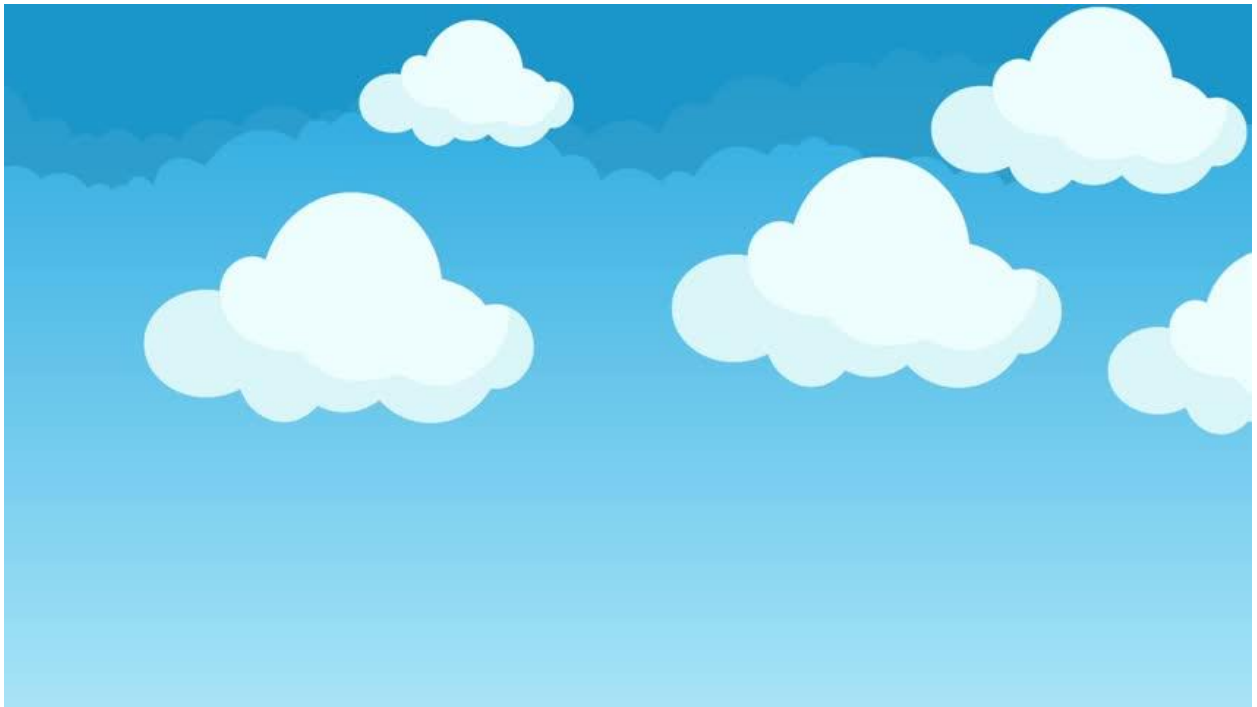
Ground

Gameplay

Welcome screen
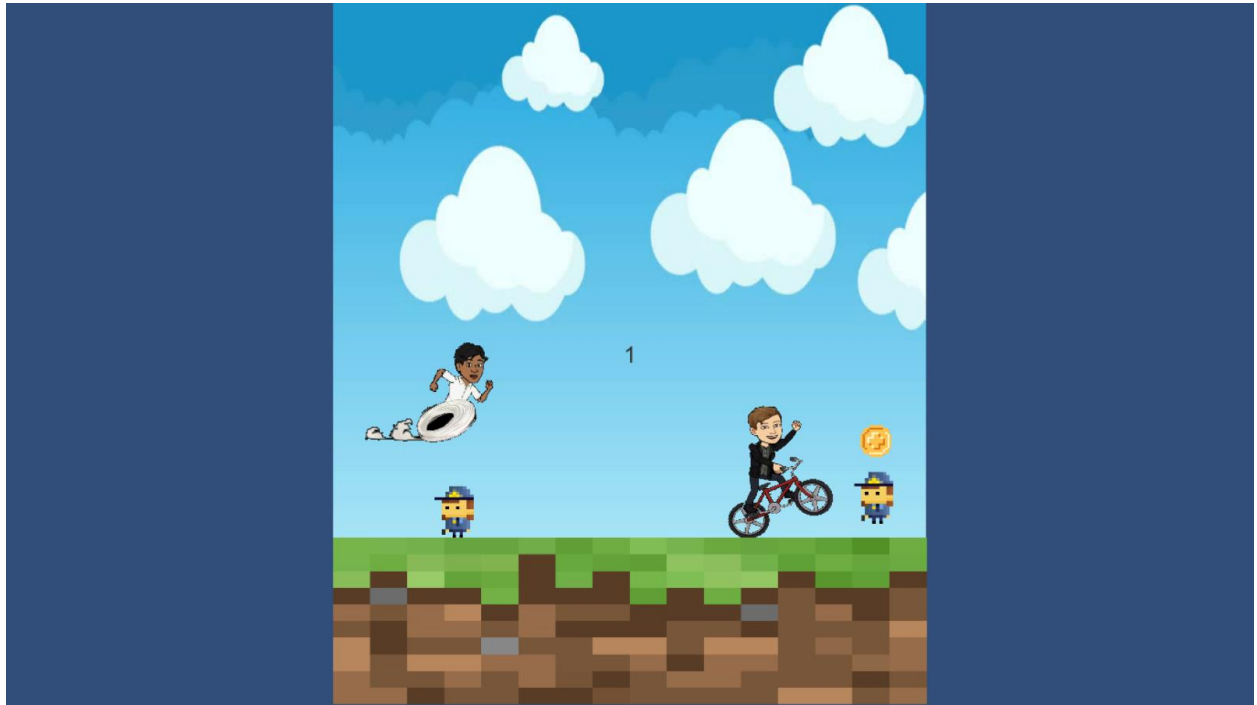
Enter the game

Jump over the cop

When hit the coin collect points

Sources

Learn SQL in 1 Hour - SQL Basics for Beginners: https://www.youtube.com/watch?v=9Pzj7Aj25lw

SQL database connection: https://www.guru99.com/c-sharp-access-database.html#1

Help for programing C# and SQL: https://w3schools.com

Programing guide C#: https://docs.microsoft.com/en-us/dotnet/csharp/programming-guide/

Create IR diagram: https://www.draw.io/