Project Title

Computer Game Developer

Website Name

GameArena

Description

This website allows any game developers, or administrators, to upload, edit and delete their games. While uploading a game to the website, the administrator can decide upon the name of the game, its price, description, genre(s), one cover image, and multiple images of the game. A game can also have multiple genres. A Gameld is automatically generated for each game uploaded to the website. Moreover, each image also has a unique Imageld which is also automatically generated. The administrator can also choose to mark his or her game as featured which would allow the game to be seen at the top of the home page. As mentioned above, administrators also have the ability to edit or even delete any game they uploaded. While updating the information of the game, they can alter the name, description, genre(s), price, choose new images as well as a new cover image. If the administrator wants, he or she can also delete the listing. The website also makes sure that any administrator does not have access to the information of other administrators, and only the administrator who uploaded the game can update or delete it. No administrators have access to the entire database.

Users who are not administrators can also visit the website, sign up and log in to their personal accounts to buy any game that they might be interested in. A general user does not have access to the admin privileges such as uploading, editing, or deleting any game on the database. There is a cart functionality where a user can place any game to buy right away or at a later point in time. After the user has purchased a game, it goes into the user's library so that the user can always have access to the game.

Both the user's and the administrator's passwords are stored as hash values so that even in the case of a data breach, the passwords, and consequently the accounts, are safe.

Assumption: Since the website offers video games in digital format, there is no provision of increasing or decreasing the quantity of items in the cart. Furthermore, if a user buys a game, then he or she cannot buy it again.

Languages/Frameworks

- 1. Languages:
 - a. Python
 - b. HTML
 - c. CSS
 - d. JavaScript/JQuery
- 2. Framework:
 - a. Flask

Screenshots

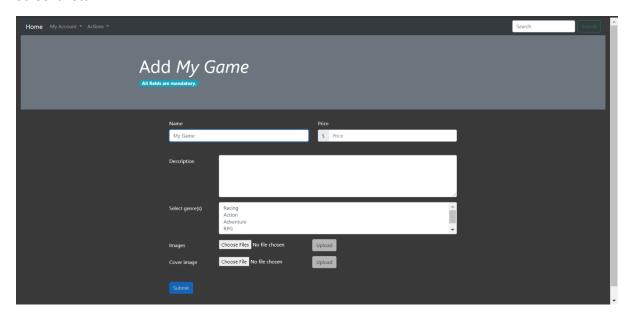


Figure 1: Add Game

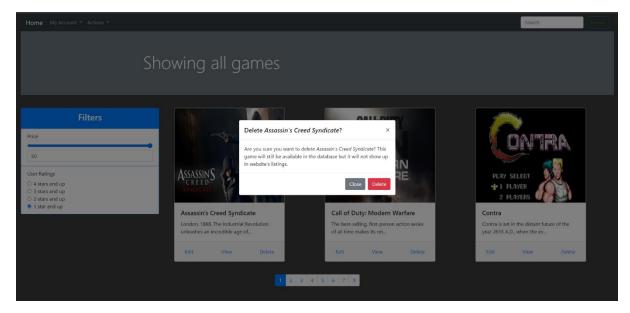


Figure 2: Delete Game

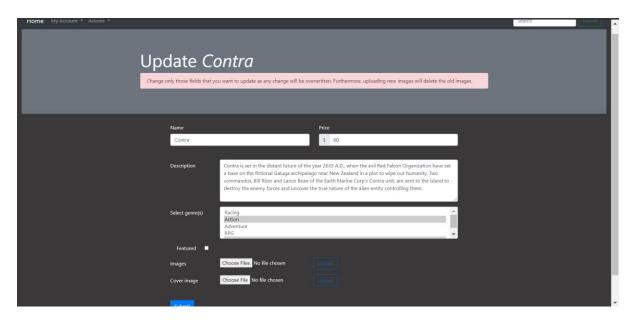


Figure 3: Update Game

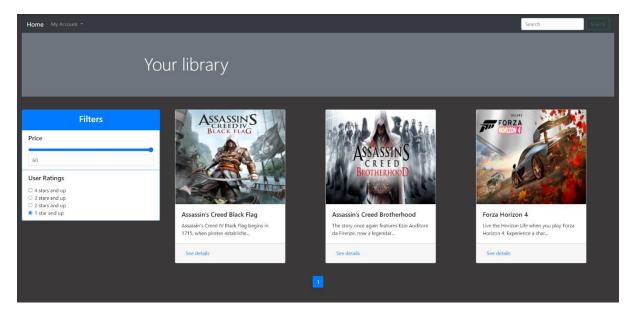


Figure 4: User Library

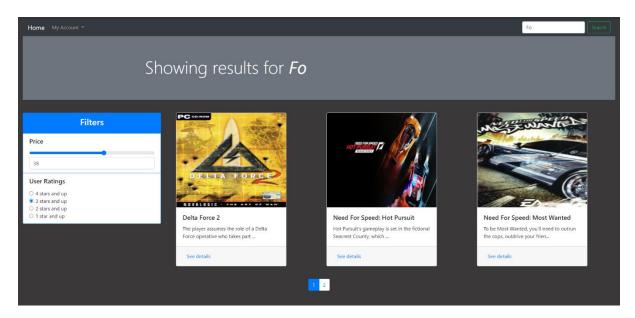


Figure 5: Search

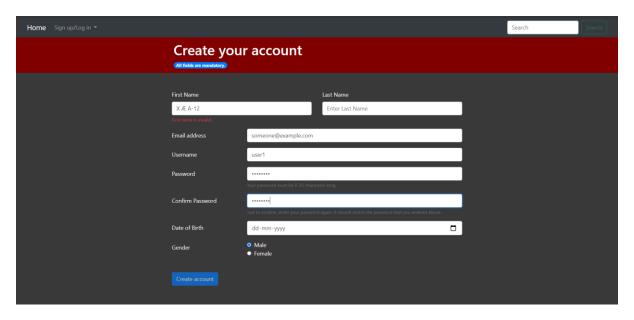


Figure 6: Signup

Team Members

- 1. Ritwik Dev rxd190028
- 2. Rishik Dev rxd190027

Work Division

Ritwik Dev	Rishik Dev
Admin Index	Index
Sign Up	Sign In
Edit/Delete Existing Game	Add New Game
Game Details	Library
Search	Cart
Database	Database

Database Description

(Attached Below)

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1 administrator

Creation: May 08, 2021 at 06:55 PM Last update: May 09, 2021 at 04:29 AM

Column	Туре	Attributes	Null	Default	Extra	Links to	Comments	MIME
Username	varchar(20)		No					
FirstName	varchar(20)		No					
LastName	varchar(20)		No					
Password	varchar(500		No					
)							

Page number: 2/10

2 cart

Creation: May 09, 2021 at 02:49 PM Last update: May 09, 2021 at 02:49 PM

Column	Туре	Attributes	Null	Default	Extra	Links to	Comments	MIME
UserId	varchar(20)		No			-> user.Username ON UPDATE CASCADE ON DELETE CASCADE		
Gameld	varchar(20)		No			-> game.Gameld ON UPDATE CASCADE ON DELETE CASCADE		

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3 featuredgames

Creation: May 08, 2021 at 06:55 PM Last update: May 09, 2021 at 02:50 PM

Column	Туре	Attributes	Null	Default	Extra	Links to	Comments	MIME
Gameld	varchar(20)		No			-> game.GameId ON UPDATE CASCADE ON DELETE CASCADE		
Featured	tinyint(1)		No					

Page number: 4/10

4 game

Creation: May 09, 2021 at 04:24 AM Last update: May 09, 2021 at 03:02 PM

Column	Туре	Attributes	Null	Default	Extra	Links to	Comments	MIME
GameId	varchar(20)		No					
GameName	varchar(50)		No					
GameDescri ption	varchar(500)		No					
Price	double		No					
Rating	double		Yes	NULL				
Coverlmage	varchar(20)		No			-> image.ImageId ON UPDATE CASCADE ON DELETE CASCADE		
Deleted	tinyint(1)		No					

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5 gamegenre

Creation: May 08, 2021 at 06:55 PM Last update: May 09, 2021 at 02:56 PM

Column	Туре	Attributes	Null	Default	Extra	Links to	Comments	MIME
Gameld	varchar(20)		No			-> game.GameId ON UPDATE CASCADE ON DELETE CASCADE		
Genre	varchar(20)		No					

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6 image

Creation: May 08, 2021 at 06:55 PM Last update: May 09, 2021 at 02:57 PM

Column	Туре	Attributes	Null	Default	Extra	Links to	Comments	MIME
Imageld	varchar(20)		No					
ImageSrc	varchar(100)		No					
ImageAlt	varchar(50)		No					
Gameld	varchar(20)		No			-> game.Gameld ON UPDATE CASCADE ON DELETE CASCADE		

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7 purchased

Creation: May 08, 2021 at 06:55 PM Last update: May 09, 2021 at 02:58 PM

Column	Туре	Attributes	Null	Default	Extra	Links to	Comments	MIME
UserId	varchar(20)		No			-> user.Username ON UPDATE CASCADE ON DELETE CASCADE		
Gameld	varchar(20)		No			-> game.Gameld ON UPDATE CASCADE ON DELETE CASCADE		

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8 user

Creation: May 08, 2021 at 06:55 PM Last update: May 09, 2021 at 04:34 AM

Column	Туре	Attributes	Null	Default	Extra	Links to	Comments	MIME
Username	varchar(20)		No					
FirstName	varchar(50)		No					
LastName	varchar(50)		Yes	NULL				
PasswordHa sh	varchar(500)		No					
DateOfBirth	date		Yes	NULL				
EmailId	varchar(30)		No					
Gender	varchar(1)		Yes	NULL				

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