

PROG3050 Team Project

Conestoga Virtual Game Store

Business Background

Marvin Aday, Vice President Retail Operations, would like to increase online game sales. He had a co-op student study competitors' websites and note how they attract customers and keep them coming back. The co-op student reported that some other gaming sites allow customers to log in and access "members-only" features. Mr. Aday has decided to create an online "Insiders Club" that CVGS customers can join. Your task is to create a web site that manages membership in the club and provides features that will attract and retain the interest of club members.

Mr. Aday has specified the high-level requirements for the site, but wants to leave the details up to the development team. He is also open to suggestions about other features the development team might recommend. Mr. Aday is aware that many developers are also gamers, and believes they will be able to build a site that appeals to other gamers.

Technical Requirements

Use ASP.NET, C# and Microsoft SQL server to create the web site. Start with the existing CVGS database and add your new tables to it. Alternatively, you may create your own database.

Preliminary Requirements

Before the public website is deployed, a website for CVGS employees must be created. After that, you will add other features to the website.

- Let employees add, edit and delete games
- Let employees enter event data (see Events below)
- Let employees view and print reports (see Reports below)

Member Requirements

Joining and Logging in

- Visitors to the website will be given the option of joining if they are not members, or logging in if they are members.
- Require a unique display name
- Require strong passwords
- Limit the number of consecutive login attempts
- Let members change their passwords
- If a recognized member forgets their password, reset it and email the new password

Account

- Open an online account for the member

Profile

- Let members enter their display name, actual name, email, gender, and birth date
- Let the member decide whether to receive promotional emails from CVGS

Preferences

Let members indicate their:

- favorite platform (or platforms)
- favorite game category (or categories)

Address

Let the member enter, modify and delete their:

- mailing address
- shipping address

Credit Cards

- Let the member register one or more valid credit cards

Selecting Games

- Let members search for games
- Let members select games from a list
- Display details of the selected game

Wish List

- Let members fill a wish list

Friends and Family

- Add another member to the Friends and Family List

View Wish List

- Let only friends and relatives view the wish list

Rate Games

Let:

- Members rate games
- Summarize individual results and display the overall rating for each game

Review Games

- Let members write reviews of games. Reviews must be approved by a moderator before they are published on the web site

Cart

- Create a cart
- Let members add games to cart
- Let members check out using any registered credit card
- Save all “check out” information (orders) to a database table
- When applicable, employees will ship physical copies of purchased games
- Afterwards, the employee must be able to change the status of the order to "Processed"

Download

- Let members download free digital games or digital games that they have purchased

Events

- Let employees add, edit and delete information about upcoming events
- Let members register for upcoming events

Reports

- Game list report
- Game detail report
- Member list report
- Member detail report
- Wish list report
- Sales report
- Other reports as needed