

# eBook Reader

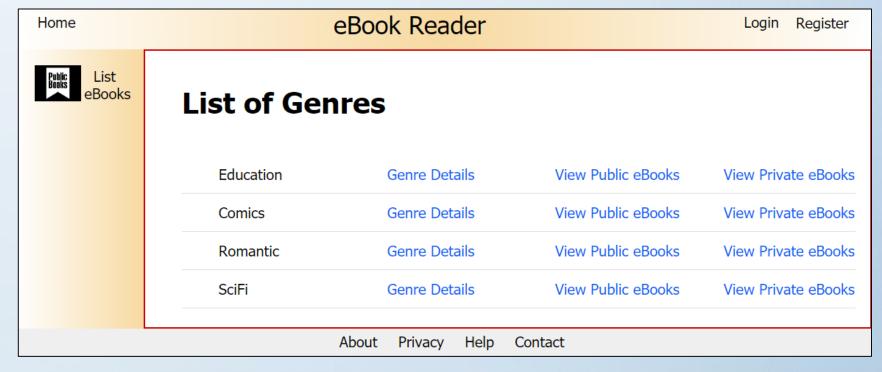
Omkar Buchade

 Developed a website with two sections: public section and private section.

#### Details:

 The public section consists of publicly available eBooks which can be accessed by any user whereas the private section consists of eBooks which need authentication

to read them.



 Used static pages for the public area with HTML5, CSS3 and ES6 for anonymous users.

New features used: **HTML5**: Header tag

**CSS3**: box-shadow, border-radius, background-image: linear-gradient

ES6: Class

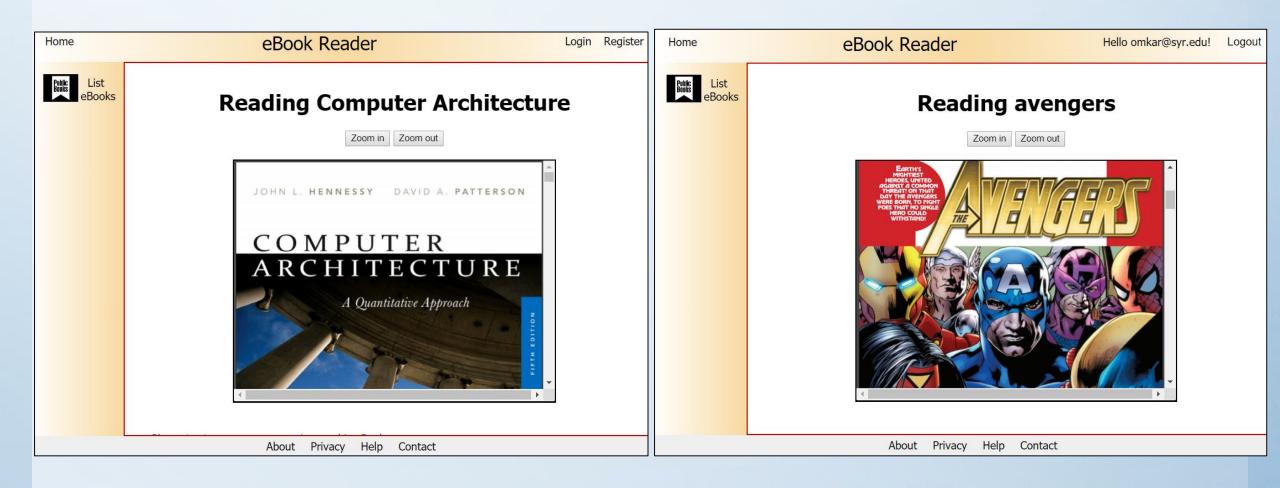
eBook Reader Home Login Register Public Books eBooks **Navigating the Website** • The header bar can be used to navigate to the homepage, to login as well sign up page. • The navigation panel on the left provides links for navigating to the list of available public and private eBooks. • Public eBooks can be viewed by any user whereas, to view private eBooks you must sign in into your account. The website also allows the authenticated user to comment of the eBook they are reading. The coments are only visible to the user who supplied the comment and to the Admin. • Only the admin has the the privilege to upload, edit or delete the eBooks. • The footer bar holds links to other important static pages like the help, privacy, contact and the About page. • Need more help navigating the website? Feel free to contact the developer from the Contact page! Privacy About Help Contact

Used Entity-Framework based Authentication and Authorization.

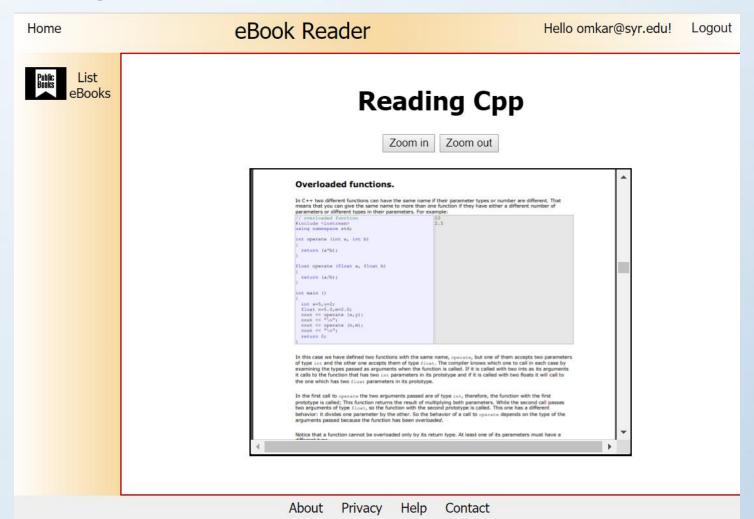
```
// ApplicationDbContext.cs -DBContext class for eBook reader.//
                                                                                                  // IdentityModel.cs - IdentityModel class for eBook reader. //
                                                                                                  // Omkar Buchade, CSE686 - Internet Programming, Spring 2019 //
       // Omkar Buchade, CSE686 - Internet Programming, Spring 2019 //
       -/*
        * This code creates a DbSet property for each (Genre, Book and Book Comment) ent
                                                                                                     - This package help us to create our own
                                                                                                       identity model by inheriting the IdentityUser
                                                                                                       and simply add the fields which we need.

_using Microsoft.AspNetCore.Identity.EntityFrameworkCore;
       using Microsoft.EntityFrameworkCore;
10
                                                                                            10
                                                                                           11
      using WebApplication.Models;
11
     ■namespace WebApplication.Data
                                                                                                 _using Microsoft.AspNetCore.Identity;
                                                                                           12
                                                                                           13
                                                                                                  using System.ComponentModel.DataAnnotations;
13
                                                                                                 namespace WebApplication.Models
14
                                                                                           14
                                                                                           15
          14 references
          public class ApplicationDbContext : IdentityDbContext<ApplicationUser>
15
                                                                                                      16 references
                                                                                                      public class ApplicationUser: IdentityUser
16
                                                                                           16
              0 references | 0 exceptions
                                                                                           17
              public ApplicationDbContext() { }
17
                                                                                           18
              0 references | 0 exceptions
                                                                                                          //Adding a string type new field while creating a new account.
                                                                                           19
              public ApplicationDbContext(DbContextOptions<ApplicationDbContext> option
                                                                                           20
                                                                                                          [Required]
                  : base(options)
                                                                                                          2 references | 0 exceptions
20
                                                                                                          public string Name { get; set; }
                                                                                            21
21
                                                                                            22
22
                                                                                            23
```

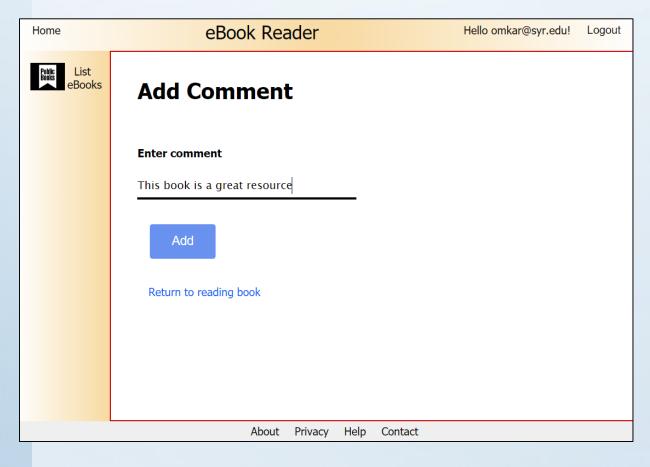
 User has the ability to read books in the public section, and with authentication in the private section.

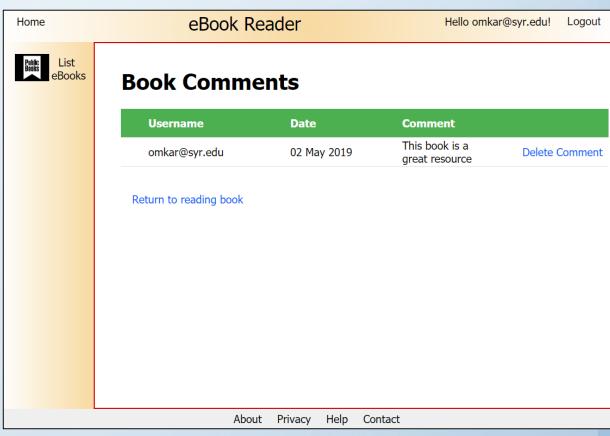


 Books have viewing controls that can be used to scale and iterate through the document.

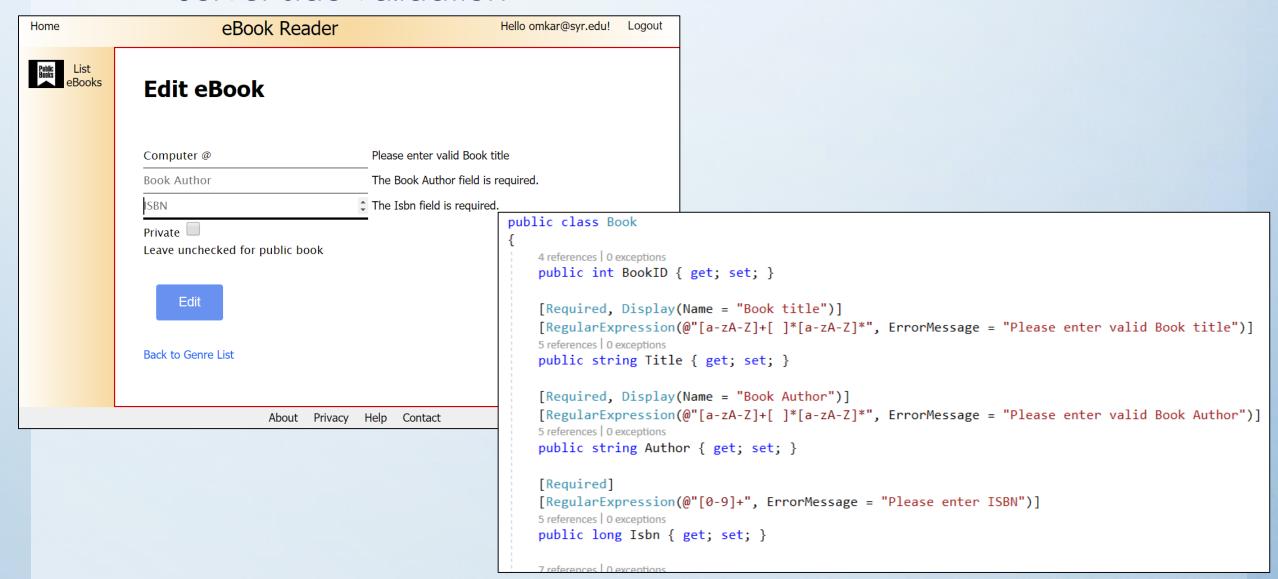


 Authenticated user can comment of the document for reviewing. This comment is only visible to the user who supplied the comment and to the administrator.

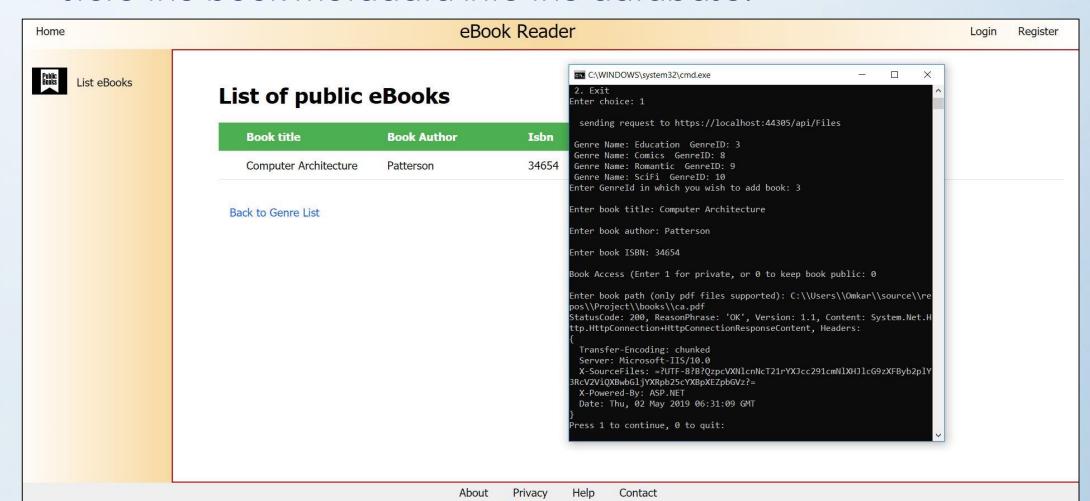




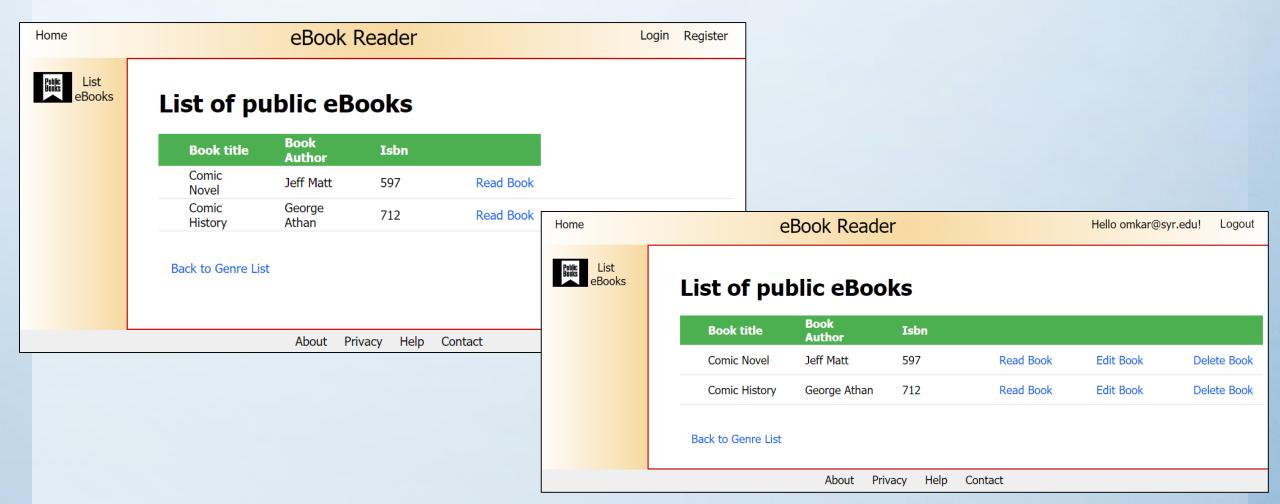
Server-side validation



 Implemented a Web Service and Web Service client that helps the administrator to upload books from the local file system and store the book metadata into the database.



 Only the administrator is given the privilege to upload, edit or delete the information related to the document.



#### Limitation

 The website supports uploading and reading the books only in pdf format currently.

