

Forums Application

All the requirements listed in the task are fulfilled.

Although you mentioned that the front-end should have been simple, I decided to use Bootstrap and write some css code, so the software UI looks more compact and modern.

Besides, you mentioned that the registration/login might be done using VS auto generated authentication model. That model was working with Identity(Entity Framework) object and had bunch of unnecessary tables and columns in those tables. I decided to throw it away and create a simpler DB object - corresponding to the application needs.

The description of the use cases follows:

1. Register use case

User fills in his/her personal information and creates an account in the system.

The screenshot displays the 'Register' page of the 'Forums App'. The browser address bar shows 'localhost:28325/Account/Register'. The page has a dark sidebar on the left with 'Forums App' and 'Topics' links. The main content area is titled 'Register. Create a new account.' and contains a registration form with the following fields and values:

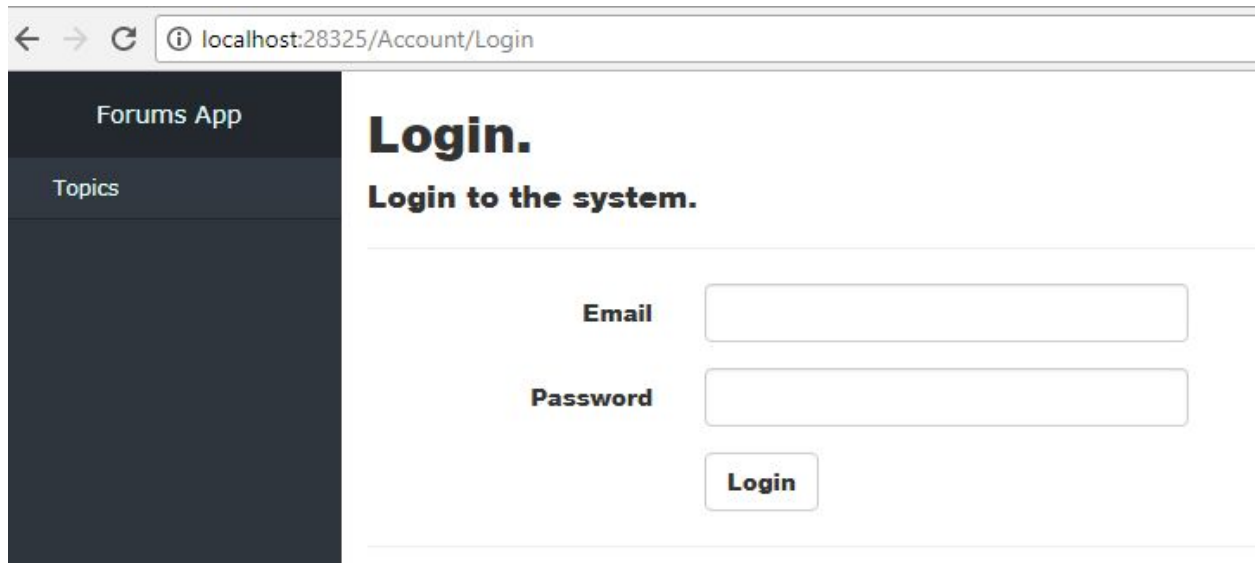
Field	Value
Email	t@t.t
Nick Name	Toma
Password
Confirm password
Country	Armenia
City	Yerevan

A 'Register' button is located at the bottom of the form.

By pressing 'register' button he/she automatically logs-in to the system. New session is opened for that user.

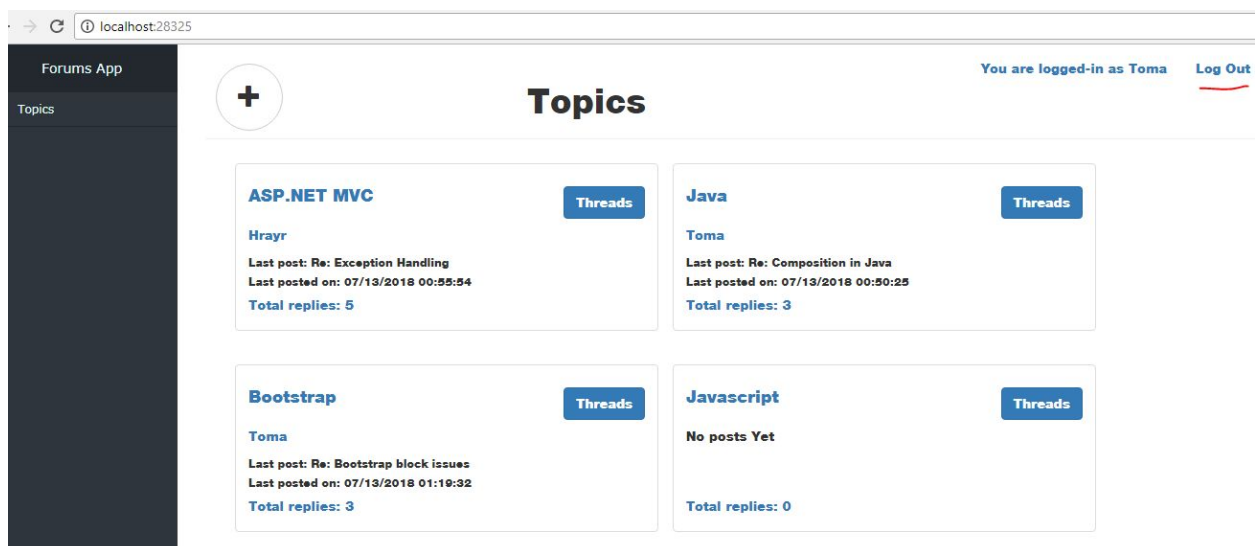
2. Login/logout use cases

User fills in his email and password and logs into the system.



The screenshot shows a web browser window with the address bar displaying 'localhost:28325/Account/Login'. The page has a dark sidebar on the left with 'Forums App' and 'Topics' links. The main content area is titled 'Login. Login to the system.' and contains a form with two input fields: 'Email' and 'Password'. Below the fields is a 'Login' button.

On the top right of the screen his/her Nickname appears. Near it there's a logout button which clears the current user from the session and allows only read access to topics/threads/posts.

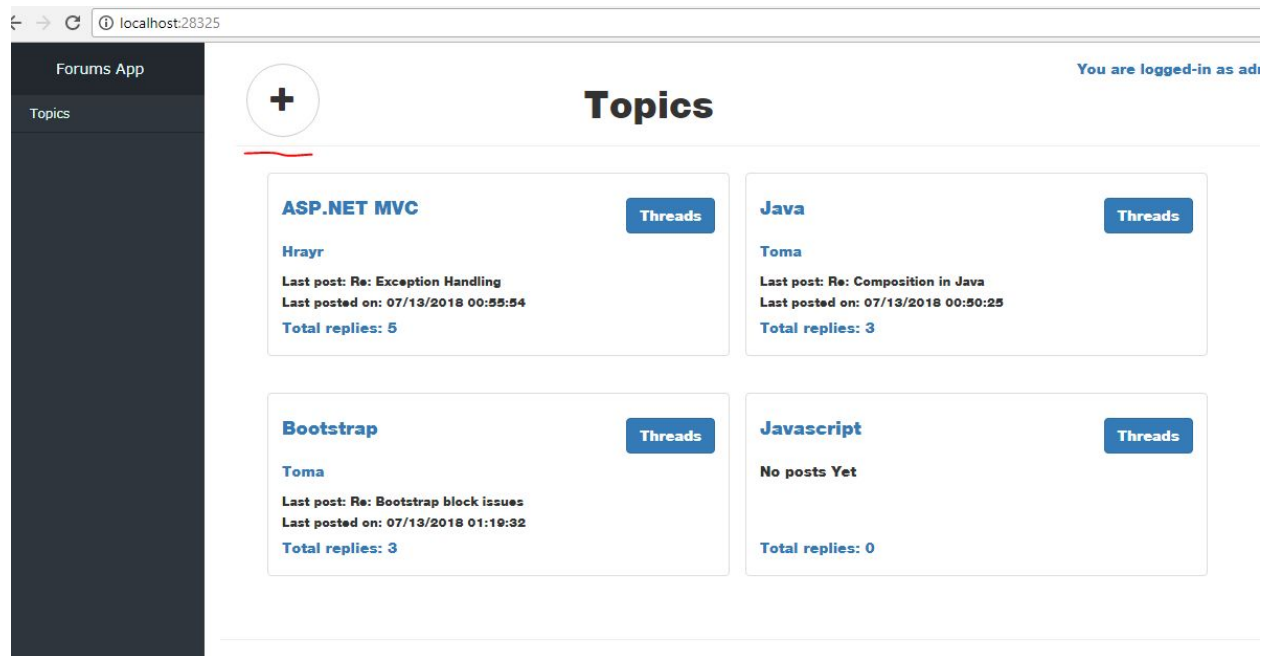


The screenshot shows the forum topics page after login. The address bar displays 'localhost:28325'. The sidebar on the left shows 'Forums App' and 'Topics'. The main content area is titled 'Topics' and displays a grid of topic cards. Each card shows the topic name, the user who posted it, the last post information, and the total number of replies. A 'Threads' button is present on each card. The user is logged in as 'Toma'.

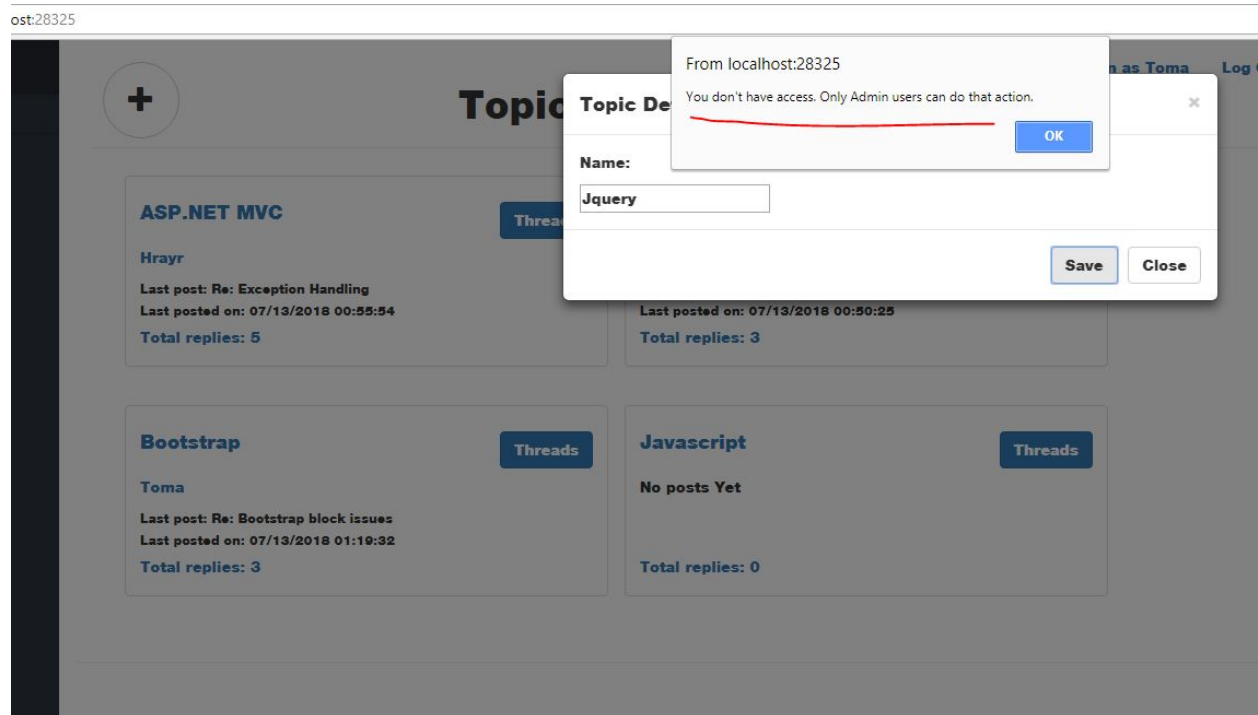
Topic	User	Last post	Total replies
ASP.NET MVC	Hrayr	Re: Exception Handling 07/13/2018 00:55:54	5
Java	Toma	Re: Composition in Java 07/13/2018 00:50:25	3
Bootstrap	Toma	Re: Bootstrap block issues 07/13/2018 01:19:32	3
Javascript	No posts Yet		0

3. Add topic use case

Add Topic button is always there, BUT only users with the role 'Admin' may add topics.



Otherwise, if the user is not registered or not an Admin, system shows error message.



4. Add/stop/start thread use case

Threads can be added by any registered user (there's no user restriction for adding threads in the task). Only admin users may stop/archive or start the thread. The stop/start buttons appear only for admin users. Also there's a server side authentication attribute allowing only admins to stop/start threads.

localhost:28325/Topics/Details/52

The screenshot displays a web application interface for a forum. At the top, a dark sidebar is partially visible on the left. The main content area has a header with a large plus icon in a circle and the title "Threads of ASP.NET MVC topic". Below the header, there is a vertical timeline on the left with circular markers. Two thread cards are listed:

- Exception Handling**: Includes a power icon in the top right. It shows "Last posted by: Hrayr" and "Last posted on: 07/13/2018 00:55:54". At the bottom, it states "Total replies: 4" and has a "Posts" button with a right arrow.
- Problems with authorization**: Includes a "CLOSED" status with a lock icon in the top right. It shows "Last posted by: Hrayr" and "Last posted on: 07/13/2018 00:53:42". At the bottom, it states "Total replies: 1" and has a "Posts" button with a right arrow.

Each thread has information about the total replies (posts) of it, name of the user who last posted in the thread and the date of posting.

5. Add/delete/edit post use case

After navigating to the thread details, all the posts of that thread appear on the screen in creation date descending order.

Navigation to thread link appears on the left menu. Thread name and description appear in the title.

There's also a button which sorts the posts by ascending/descending order.

In each post the name of the thread appears with 'Re:', the actual post text, its creation date and information about the user who created it.

The screenshot shows a web application interface for a forum. On the left is a dark sidebar with 'Forums App' at the top, followed by 'Topics' and 'Threads' (which is highlighted with a red underline). The main content area has a header with a '+ Posts of Exception Handling thread' title and a description 'System throws exception. I can't understand the problem.' A 'Sort' button is in the top right. Below the header, four posts are listed, each with a title starting with 'Re: Exception Handling', the post content, a 'Posted on' timestamp, and user information (Name, Total posts, Registered date, Country, City). The first post is by Hrayr, registered 07/13/2018, 00:43. The second and fourth posts are by Toma, registered 07/07/2018, 13:32. The third post is by Hrayr, registered 07/13/2018, 00:43. Each post has a '✕' icon next to the timestamp.

Post Title	Content	Posted on	By	Total posts	Registered	Country	City
Re: Exception Handling	It depends on your project. If you want to do some custom action, than its better to inherit from Authorization attribute and override its methods	07/13/2018, 00:55	Hrayr	5	07/13/2018, 00:43	Armenia	Yerevan
Re: Exception Handling	Should I write custom attribute or use the built it attribute of the framework?	07/13/2018, 00:54	Toma	6	07/07/2018, 13:32	Armenia	Yerevan
Re: Exception Handling	Yes. That's what I've exactly done, Thank you	07/13/2018, 00:52	Hrayr	5	07/13/2018, 00:43	Armenia	Yerevan
Re: Exception Handling	You should use try catch block. In catch block you can see the inner exception where the details are described.	07/13/2018, 00:35	Toma	6	07/07/2018, 13:32	Armenia	Yerevan

User can edit/delete only his/her own posts.

of Exception Handling thread

System throws exception. I can't understand the problem.

[Sort](#)

Re: Exception Handling

It depends on your project. If you want to do some custom action, than its better to inherit from Authorization attribute and override its methods

Posted on: 07/13/2018, 00:55

Posted By: Hrayr
Total posts: 5
Registered: 07/13/2018, 00:43
Country: Armenia
City: Yerevan

Re: Exception Handling

Should I write custom attribute or use the built it attribute of the framework?

  Posted on: 07/13/2018, 00:54

Posted By: Toma
Total posts: 6
Registered: 07/07/2018, 13:32
Country: Armenia
City: Yerevan

Re: Exception Handling

Yes. That's what I've exactly done, Thank you

Posted on: 07/13/2018, 00:52

Posted By: Hrayr
Total posts: 5
Registered: 07/13/2018, 00:43
Country: Armenia
City: Yerevan

Re: Exception Handling

You should use try catch block. In catch block you can see the inner exception where the details are described.

  Posted on: 07/13/2018, 00:35

Posted By: Toma
Total posts: 6
Registered: 07/07/2018, 13:32
Country: Armenia
City: Yerevan

I'd like to mention that I haven't encrypted/decrypted the password as there's no module for password retrieval. It'll be easier to take a look into the database in case if you forget your password.