

Forums Application

All the requirements listed in the task are fulfilled except these ones:

“Administrators can edit or delete ANY post”.

“When a Thread is closed, nobody can add, remove or edit any posts in it”.

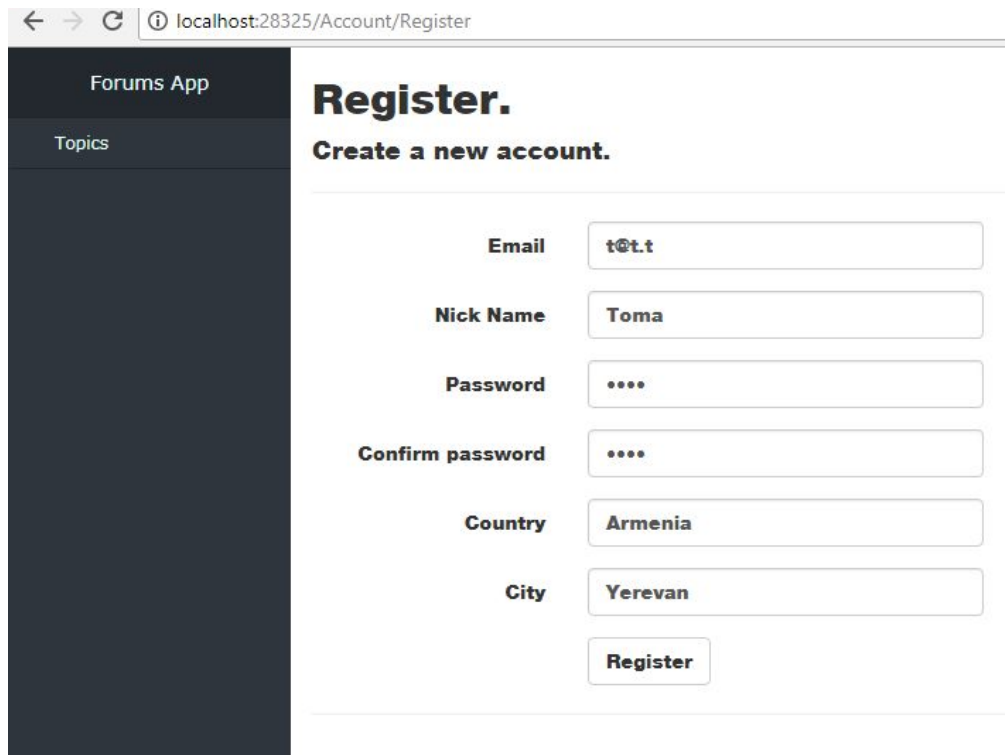
Although you mentioned that the front-end should have been simple, I decided to use Bootstrap and write some CSS code, so the software UI looks more compact and modern.

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 a 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

The 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:

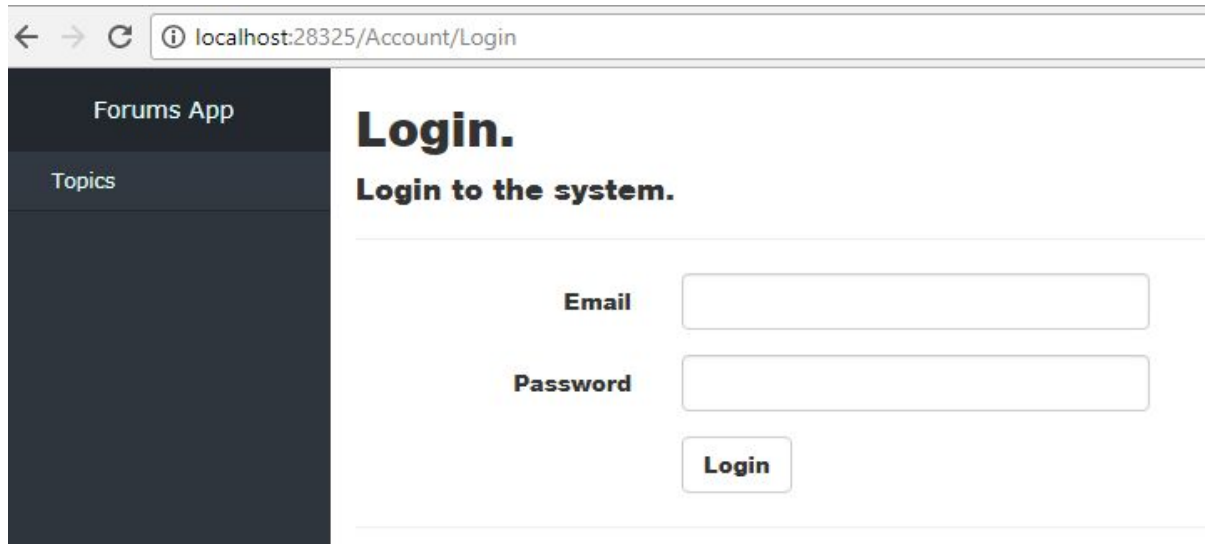
Field	Value
Email	t@t.t
Nick Name	Toma
Password
Confirm password
Country	Armenia
City	Yerevan

Below the form is a 'Register' button.

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

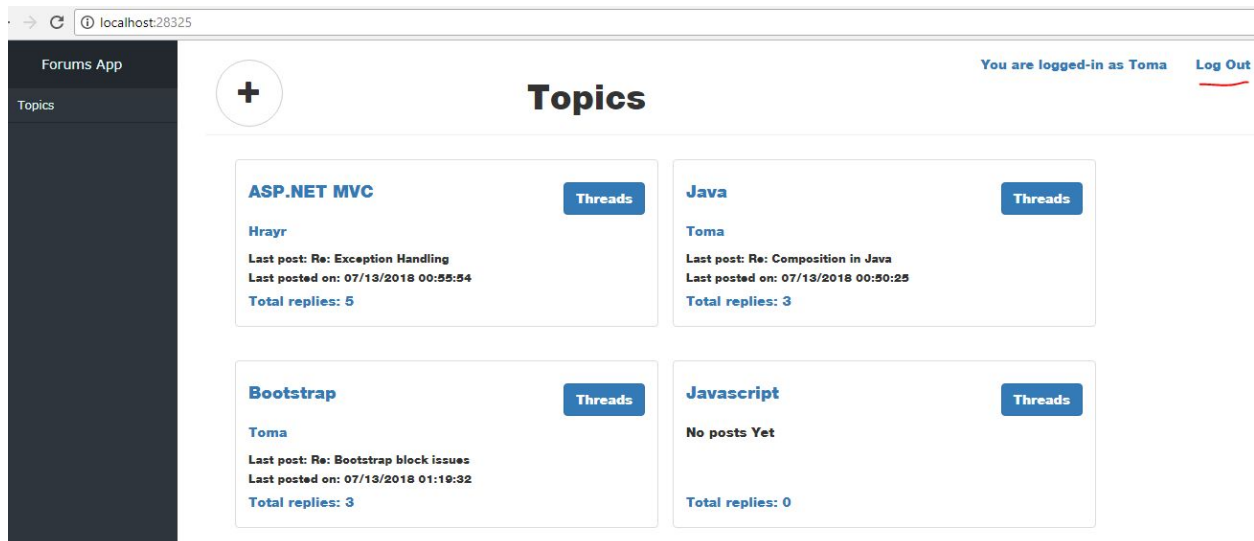
2. Login/logout use cases

The 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.

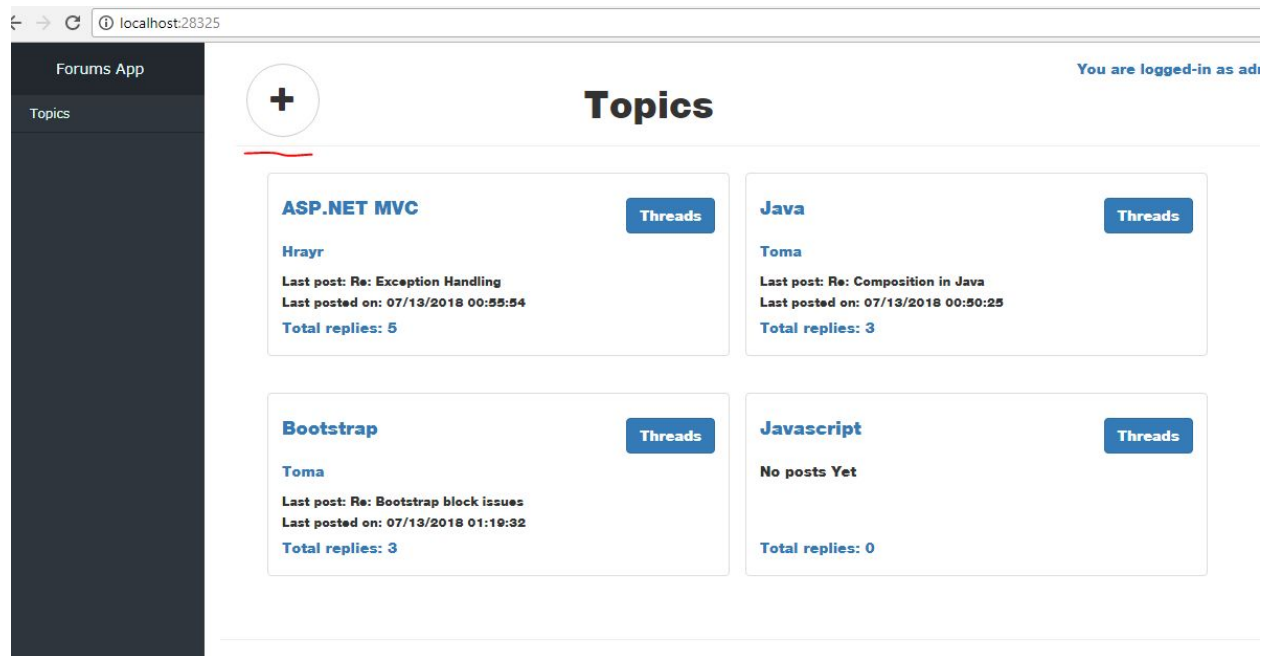


The screenshot shows the 'Topics' page in the Forums App. The browser address bar shows 'localhost:28325'. The sidebar on the left has 'Forums App' and 'Topics' links. The main content area is titled 'Topics' and features a grid of topic cards. Each card has a title, a user name, a 'Last post' message, a 'Last posted on' timestamp, and a 'Total replies' count. A 'Threads' button is located in the top right corner of each card. The user 'Toma' is logged in, as indicated by the text 'You are logged-in as Toma' and a 'Log Out' link in the top right corner.

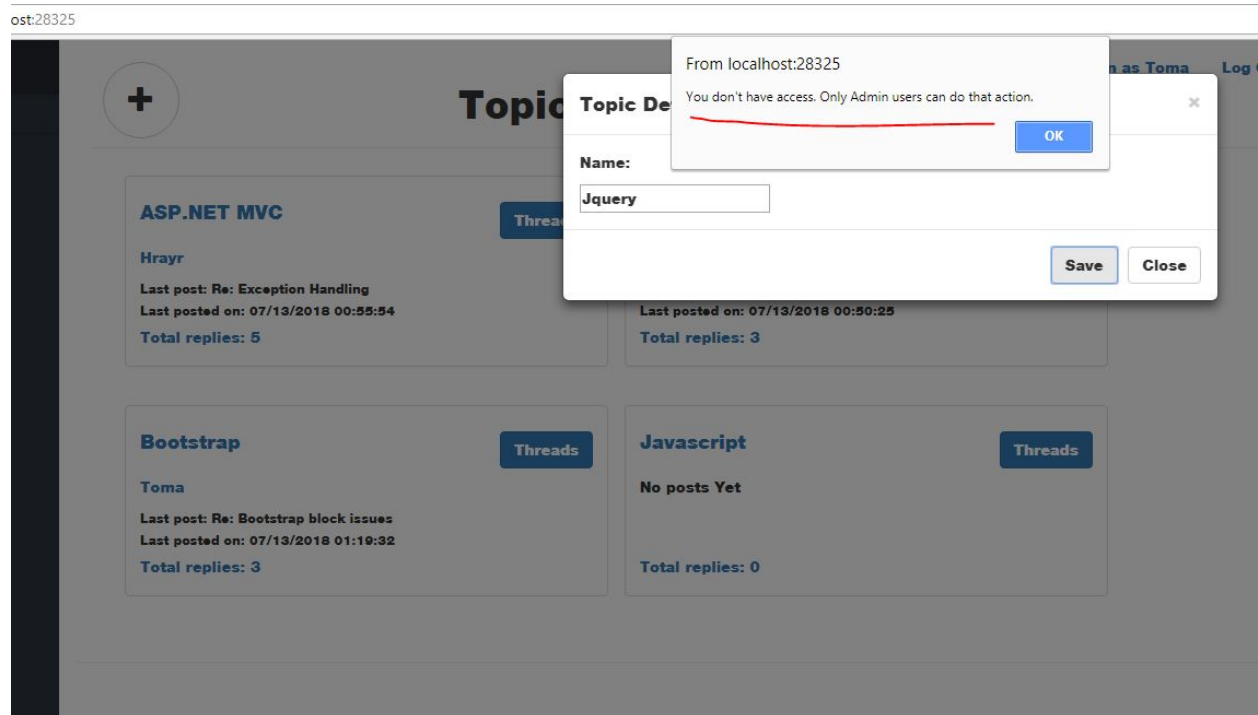
Topic	User	Last post	Last posted on	Total replies
ASP.NET MVC	Hrayr	Re: Exception Handling	07/13/2018 00:55:54	5
Java	Toma	Re: Composition in Java	07/13/2018 00:50:25	3
Bootstrap	Toma	Re: Bootstrap block issues	07/13/2018 01:19:32	3
Javascript	No posts Yet			0

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 interface for a forum or topic page. The title 'Threads of ASP.NET MVC topic' is prominently displayed at the top. Below the title, there is a vertical list of threads. Each thread entry includes the thread title, the user who last posted, the date and time of the last post, the total number of replies, and a button to view the posts. The first thread, 'Exception Handling', has 4 replies and is active. The second thread, 'Problems with authorization', has 1 reply and is marked as 'CLOSED'.

Thread Title	Last posted by	Last posted on	Total replies	Posts
Exception Handling	Hrayr	07/13/2018 00:55:54	4	Posts
Problems with authorization	Hrayr	07/13/2018 00:53:42	1	Posts

Each thread has information about the total replies (posts) of it, the 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 a 'Forums App' header and two menu items: 'Topics' and 'Threads', with 'Threads' selected and underlined in red. 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 is a list of four posts, each with a title starting with 'Re: Exception Handling', a text body, a 'Posted on' timestamp, and user information (Name, Total posts, Registered date, Country, City). Each post has a red underline and a 'Sort' button. The first post is by Hrayr, registered 07/13/2018, 00:43, from Armenia, Yerevan. The second post is by Toma, registered 07/07/2018, 13:32, from Armenia, Yerevan. The third post is by Hrayr, registered 07/13/2018, 00:43, from Armenia, Yerevan. The fourth post is by Toma, registered 07/07/2018, 13:32, from Armenia, Yerevan.

Post Title	Posted By	Total posts	Registered	Country	City
Re: Exception Handling	Hrayr	5	07/13/2018, 00:43	Armenia	Yerevan
Re: Exception Handling	Toma	6	07/07/2018, 13:32	Armenia	Yerevan
Re: Exception Handling	Hrayr	5	07/13/2018, 00:43	Armenia	Yerevan
Re: Exception Handling	Toma	6	07/07/2018, 13:32	Armenia	Yerevan

The 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

Editing the post:

When the user presses edit icon, this editable input appears. The user writes down the new comment and presses save button, which updates the post record in the database

and closes input.

25/Threads/Details/29

You are logged-in as To

+

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

Poted By:

Total posts:

Registered:

Country:

City:

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?

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

Poted By:

Total posts:

Registered:

Country:

City:

Toma

6

07/07/2018, 13:32

Armenia

Yerevan

Re: Exception Handling

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

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

Poted By:

Total posts:

Registered:

Country:

City:

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.

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

Poted By:

Total posts:

Registered:

Country:

City:

Toma

6

07/07/2018, 13:32

Armenia

Yerevan

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User can also cancel his/her changes.

I'd like to mention that I haven't encrypted/decrypted passwords 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.

Also, there were no requirements for topics/threads to have deletion functionality. Threads only have close/archive which is done. I would add those features but it is the 10th day, no time is left. Honestly, I started to write the app after 3 days you sent it, as I

was extremely busy. Probably 1 day would be required to fulfill all the requirements and, maybe, improve security.