

# IDENTITY FRAMEWORK MESSAGE BOARD

## Objectives: Identify Framework, Relational Data

**Task:** Using Identity Framework, create Users and allow them to add messages to a discussion board.

### Build Specifications of Part 1:

1. Create a new MVC application and add Identity Framework to your project.
2. Create a table of messages. It should have at least the following columns:  
Id (Integer, autoincrement, Primary Key)  
UserID (The username or email of the user currently logged in)  
PostedTime (A DateTime of when the message is posted)  
Updated (Boolean or int noting that the message was edited)  
Message (The text of the message)
3. Create a page that is only available to logged in users. The page will list all the messages, along with the username of who posted it and the date and time it was posted.
4. At the bottom is a form to add another message (much like Slack). When the user submits the form, the controller action will automatically determine the UserID based on who is logged in.

### Build Specifications of Part 2:

1. Modify the view created in part 1 to include links for editing and deleting each post. However, only show the link for messages the current user created. If the user didn't create a message, no links will appear by that message.
2. Clicking the edit link will take the user to a page to edit the message. When the user saves the updated message, the controller should update the text in the post, and set the flag that the message was edited.
3. For messages that have been edited, include the words "(edited)" next to the post (again, just like Slack.)

Extended Exercise:

1. Bootstrap your pages!
2. Set up your controller within the edit action to redirect them if they try to load a post that doesn't belong to them. (hint: the UserID on the message should match the Identity.Name)

