Create an online web forum that any user can post on a thread anonymously.

Create a NodeJS HTTP server application with ExpressJS, EJS and SQLite3 with the following endpoints:

* ‘/’ – GET
  + A small homepage with a brief description of the site, and a link to ‘/forum’
* ‘/forum’ – GET
  + If the “thread” query parameter is given in the URL with a number, find all posts whose thread id matches that number in the posts table, and get the title from the “forum” table with that thread id. If there are results, send them and the selected thread id and title to the “thread.ejs” template to be rendered. If there are no results, send the user to the “error.ejs” with the message “cannot find that thread”.
  + If there is no “thread” query parameter, retrieve all threads from the “forum” table and send them to “forum.ejs” to be rendered.
* ‘/forum’ – POST
  + Read the “thread”, “title”, “post”, and “user” body parameters. If there is no thread in the “forum” table with the given thread id, create one with the given title and user, and the current date. Then add a row to the “thread” table with the new or provided thread id, user, and post text, and the current date. Redirect the user to ‘/forum?thread=X”, where “X” is the new or provided thread id.

Create the following EJS templates:

* home.ejs – The small homepage mentioned above. Completely static.
* forum.ejs – Receives an array of threads, their id’s, dates, and titles. Uses a for loop in EJS to create an HTML <table> to display them as links, like the example below, with the most recent dates at top.

|  |  |  |
| --- | --- | --- |
| 1 | 02/04/23 | This is the first thread |
| 2 | 02/03/23 | This is the second thread |

At the bottom of the template, place an HTML form that collects a title

* thread.ejs – Receives all posts in a thread with their dates, user names, and text contents, and all of the thread information for those posts. Display these posts in a table in chronological order, as shown below:

|  |  |  |
| --- | --- | --- |
| Thread Title | | |
| 2/03/23 | Susy | That’s mad sus, bruh |
| 2/04/23 | Bob | Isn’t your name literally ‘sussy’? |

Create a SQLite3 database with the following tables:

# forum

|  |  |  |  |
| --- | --- | --- | --- |
| id (U, PK, NN, AI) | date | title | user |

# thread

|  |  |  |  |
| --- | --- | --- | --- |
| id (U, PK, NN, AI) | date | user | post |