

ADVANCED PROGRAMMING WITH .NET

LAB ASSESSMENT

Marks: 25

Requirements

1. The system will consist of two main components: the front end, which should be implemented as web page/windows app/mobile app and the back end, which should be implemented as an ASP.Net server implementing the REST APIs.
2. The web page should display any usage instructions, as well as links or buttons that trigger the proper HTTP Requests on your server and then display the retrieved data. For windows app you can create the forms and add controls based on your need.
3. You can use the basic jQuery library (no PlugIn) for the web page. Use Ajax to update some part of you page, as opposed to refresh the full page.

Routes to CRUD Mapping

Resource: **posts**

HTTP Method (Verb)	URI	CRUD Operation	Has Data Payload
GET	/posts	Read all <i>posts</i>	No
GET	/posts/{id}	Read a specific <i>post</i>	No
POST	/posts	Create a new <i>post</i>	Yes
PUT	/posts/{id}	Update specified <i>post</i>	Yes
DELETE	/posts/{id}	Delete specified <i>post</i>	No

Routes for Nested Resources

Resource: **comments**

HTTP Method (Verb)	URI	CRUD Operation or Purpose	Has Data Payload
GET	/posts/{id}/comments	Read all <i>comments</i> for a <i>post</i>	No
GET	/posts/{id}/comments/{id}	Read one <i>comment</i> for a <i>post</i>	No
POST	/posts/{id}/comments	Create a <i>comment</i> for a <i>post</i>	Yes
PUT	/posts/{id}/comments/{id}	Update specified <i>comment</i>	Yes
DELETE	/posts/{id}/comments/{id}	Delete specified <i>comment</i>	No

WHAT & HOW TO SUBMIT

You need to demonstrate your work by sharing the screen in the Microsoft TEAMS. You should use version controlling tool (Git/GitHub) for managing your project. You need to show your version controlling logs during the demonstration of the assignment.

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