Service Layer Design for **theBasics**

Service Endpoints:

- /api/users/{user-id}
    - Access to user data, such as username, password, first and last name
- /api/users/new-user
    - POSTs new user to Users table from new user registration page.
- /api/posts/{post-id}
    - Access to posts, including post content
- /api/posts/new-post
    - POSTs new post to Posts table from user profile
- /api/comments/{comment-id}
    - Access to comments including text body
- /api/comments/new-comment
    - POSTs new comment to Comments table from main feed or user profile
- /api/friends/{user-id}
    - Access to friends list
- /api/friends/add-friend/{user-id}
    - POSTs new friend request message to Inbox table
- /api/messages/{message-id}
    - Access to messages in inbox
- /api/messages/new-message
    - POSTs new message to Inbox table
- /api/profile-photos/{profile-photo-id}
    - Access to profile photo
- /api/profile-photos/new-profile-pic
    - Adds new profile picture to ProfilePhotos table
- /api/photos/{photo-id}
    - Access to photos
- /api/photos/new-photo
    - POSTs new photo to the Photos table

Example Requests/Responses:

- Create new post:
    - POST /api/posts/
        ```
        {
                "UserID": 12543,
                "PhotoID": 823849
                "TextContent": "This is a sample post",
                "DateUploaded": 10/29/2021
        }
        ```
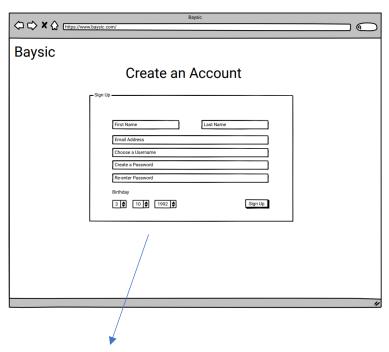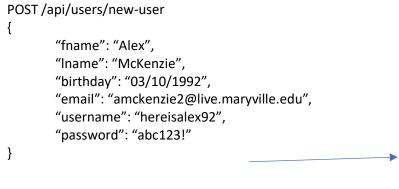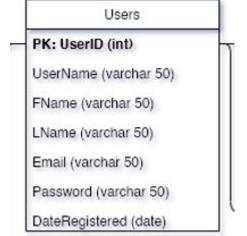   (returns the new post JSON data)

- Delete a comment:
  - DELETE /api/comments/{comment-id} (returns success msg)
- GET /api/posts/{{deleted-post-id}}
  - Returns:

    {

    "statusCode": 404,

    "error": "Not Found",

    "message": "Post does not exist with ID {{deleted-post-id}}

    }

New User Registration

POST /api/users/new-user
{
    "fname": "Alex",
    "lname": "McKenzie",
    "birthday": "03/10/1992",
    "email": "amckenzie2@live.maryville.edu",
    "username": "hereisalex92",
    "password": "abc123!"
}

Users

PK: UserID (int)

UserName (varchar 50)

FName (varchar 50)

LName (varchar 50)

Email (varchar 50)

Password (varchar 50)

DateRegistered (date)

Diagram

/new-user.html

/feed.html

/profile/{{profile-id}}.html

- /api/users/{user-id}
- /api/users/new-user
- /api/posts/{post-id}
- /api/posts/new-post
- /api/comments/{comment-id}
- /api/comments/new-comment
- /api/friends/{friend-id}
- /api/friends/add-friend
- /api/messages/{message-id}
- /api/messages/new-message
- /api/profile-photos/{profile-photo-id}
- /api/profile-photos/new-profile-pic
- /api/photos/{photo-id}
- /api/photos/new-photo