News Aggregator API Documentation

- Other alternates could be to integrate swagger UI for documenting the APIs or using a confluence or wiki but as the scope is limited so I'm documenting here.

1. Fetch General news

URL : GET /news

Headers : Basic <username:password (encoded in base64)>

Description : This API fetches general news for country Pakistan

Query params : none

Request body : none

Response :

```
[
  {
    "headline": "Google will soon restrict loan apps from accessing users' photos and contacts",
    "link": "https://www.engadget.com/google-will-soon-restrict-loan-apps-from-accessing-users-photos-and-contacts-100906959.html",
    "source": "newsapi"
  },
  {
    "headline": "Mr. Bean (Pakistan version) is like a fat version of original.",
    "link": "https://v.redd.it/4ecdextxplv01",
    "source": "reddit"
  }
]
```

Status : 200 OK

2. Search news

URL : GET /news

Headers : Basic <username:password (encoded in base64)>

Description : This API searches for specific news according to the query provided

Query params : query

Request body : none

Response body :

```
[
  {
    "headline": "Next steps in the Donald Trump criminal case",
    "link": "https://www.cnn.com/2023/04/05/politics/trump-criminal-case-whats-next/index.html",
    "source": "newsapi"
  },
  {
    "headline": "President Donald Trump says he has tested positive for coronavirus",
    "link": "https://www.cnbc.com/2020/10/02/president-donald-trump-says-he-has-tested-positive-for-coronavirus.html",
    "source": "reddit"
  }
]
```

Status : 200 OK

3. Mark an article as "favourite" for a user or vice versa

URL : POST /news/favourite

Headers : Basic <username:password (encoded in base64)>

Description : This API marks an article as favourite or un-favourite for a specific user.

Query params : user, id

Request body : none

Response body :

(Marked as Favourite)

```
{
   "user": "hassan",
   "favorite": true,
   "id": 111,
   "headline": "Next steps in the Donald Trump criminal case",
   "link": "https://www.cnn.com/2023/04/05/politics/trump-criminal-case-whats-next/index.html",
   "source": "newsapi"
}
```

(Marked as Un-Favourite)

```
{
   "user": "hassan",
   "favorite": false,
   "id": 111,
   "headline": "Next steps in the Donald Trump criminal case",
   "link": "https://www.cnn.com/2023/04/05/politics/trump-criminal-case-whats-next/index.html",
   "source": "newsapi"
}
```

Status : 200 OK

4. Fetch all Favourite articles of the user

URL : GET /news/favourite

Headers : Basic <username:password (encoded in base64)>

Description : This API gets all favourite articles of the user with the most recently marked favourite as first.

Query params : user

Request body : none

Response body :

```
[
  {
    "id": 111,
    "headline": "Next steps in the Donald Trump criminal case",
    "link": "https://www.cnn.com/2023/04/05/politics/trump-criminal-case-whats-next/index.html",
    "source": "newsapi"
  }
]
```