

Changes: Added service endpoints for creating and deleting users as well as an endpoint to update the “Notes” section stretch feature

Budget Builder

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Service Layer

The service layer will be hosted on Heroku

Work Item Route:

Get Work Item:

Method: GET

URL: <https://finalproject.herokuapp.com/api/workitem>

Purpose: When a user submits their input data, this endpoint will be called from the front end and the data returned will be used to render the results page.

Example requests:

```
curl --request GET --url https://finalproject.herokuapp.com/api/workitem
```

Success response:

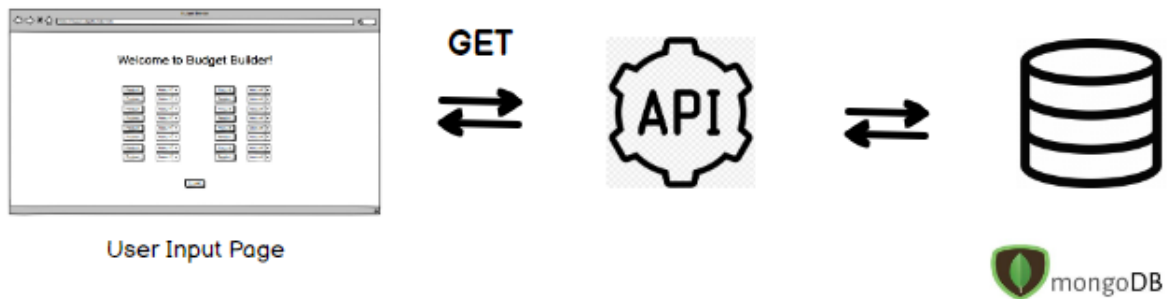
```
{
  "data": [
    {
      "id": 6155f285,
      "work_item": window,
      "material_expense": 352.57,
      "labor_expense": 75.00,
      "labor_hours": 3.25
    }
  ]
}
```

Error response:

```
{
  "code": 400,
  "message": "Input value must be an integer"
}
```

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Diagram:



User Route:

User Login:

Method: GET

URL: <https://finalproject.herokuapp.com/api/user/:username>

Purpose: In order to access the web application, users will input their username and password. Upon submission, this endpoint will be called to allow or deny access. Access will be granted with successful validation.

Example requests:

```
curl --request GET --url https://finalproject.herokuapp.com/api/user/:username
```

Success response:

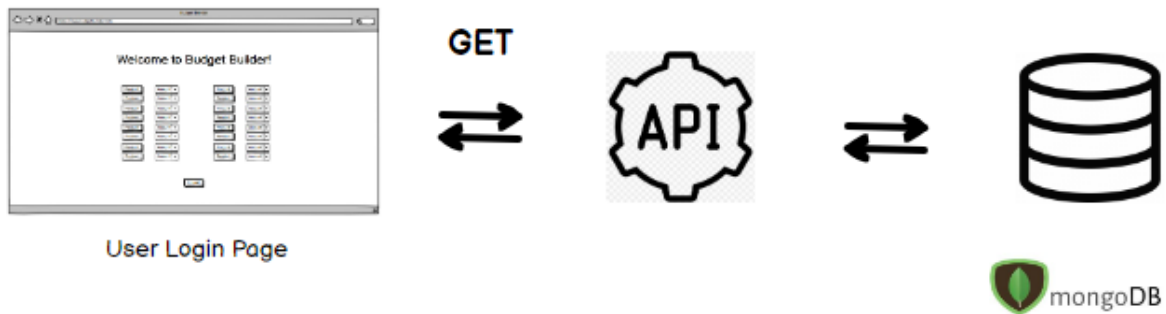
```
{
  "data": [
    {
      "id": 51a22678ac,
      "username": sampleuser,
      "hash": string
    }
  ]
}
```

Error response:

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```
{
  "code": 404,
  "message": "User not found"
}
```

Diagram:



Create a New User:

Method: POST

URL: <https://finalproject.herokuapp.com/api/user/>

Purpose: Used to create a new user and save their data within the database.

Example requests:

```
curl --request POST \
  --url https://finalproject.herokuapp.com/api/user/ \
  --header 'Content-Type: application/json' \
  --data '{
    "username": sampleuser,
    "hash": ab3d7826c76c,
    "notes": str
  }'
```

Success response:

```
{
  "id": 51a22678ac,
  "username": sampleuser,
  "hash": ab3d7826c76c,
```

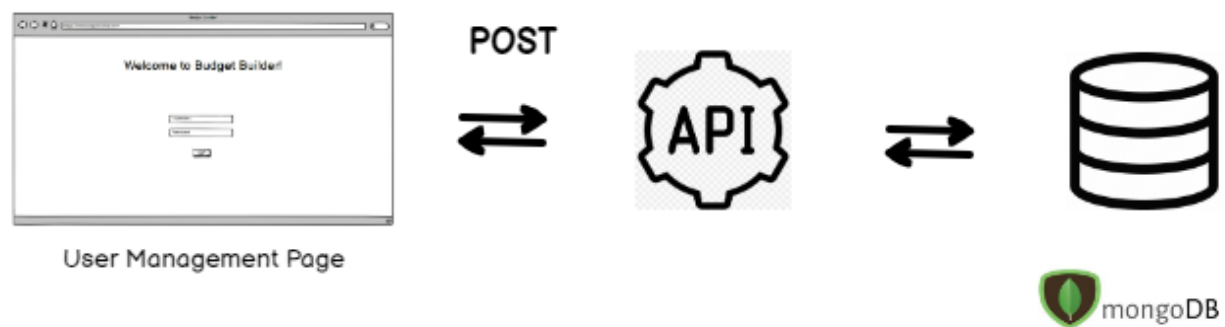
Changes: Added service endpoints for creating and deleting users as well as an endpoint to update the “Notes” section stretch feature

```
    "notes": str
}
```

Error response:

```
{
  "code": 400,
  "message": "Username too short"
}
```

Diagram:



Delete a User:

Method: DELETE

URL: <https://capstone691.herokuapp.com/api/users/>

Purpose: Used to delete user logins

Example requests:

```
curl --request DELETE --url https://finalproject.herokuapp.com/api/users/51a22678ac
```

Success response:

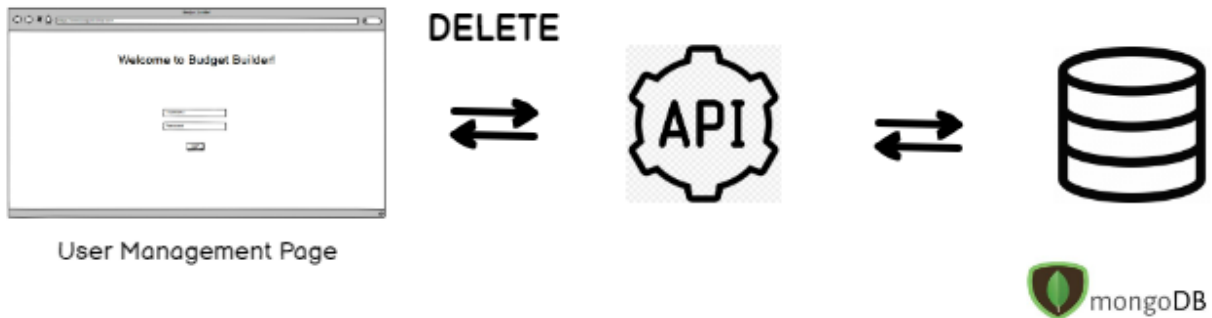
```
{
  "status": 200,
  "message": "User deleted successfully"
}
```

Error response:

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```
{  
  "status": 404,  
  "message": "User does not exist"  
}
```

Diagram:



Notes Route (Stretch Feature):

User Login:

Method: PUT

URL: <https://finalproject.herokuapp.com/api/users/>

Purpose: A feature to be added later will include the ability for users to save notes on their results page. This will allow them to save their thoughts and plans to be reviewed later

Example requests:

```
curl --request PUT \  
  --url https://finalproject.herokuapp.com/api/users/51a22678ac \  
  --header 'Content-Type: application/json' \  
  --data '{  
    "id": 51a22678ac,  
    "notes": str  
  }'
```

Success response:

```
{
```

Changes: Added service endpoints for creating and deleting users as well as an endpoint to update the “Notes” section stretch feature

```
"id": 51a22678ac,  
"notes": "A sample note"  
}
```

Error response:

```
{  
  "status": 404,  
  "message": "User does not exist"  
}
```

Diagram:

