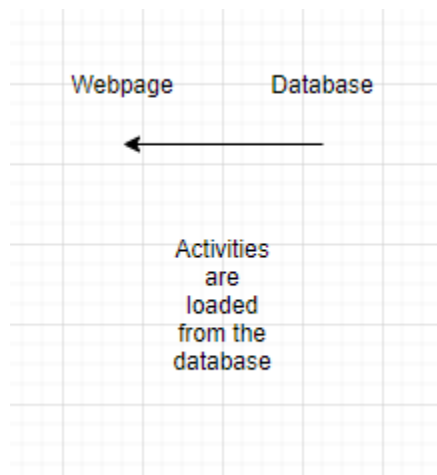Jerimiah Hinnen
Re-Design: Services Layer

Item A)

Purpose: Upon visitor to site the application loads activities in checkbox grids.
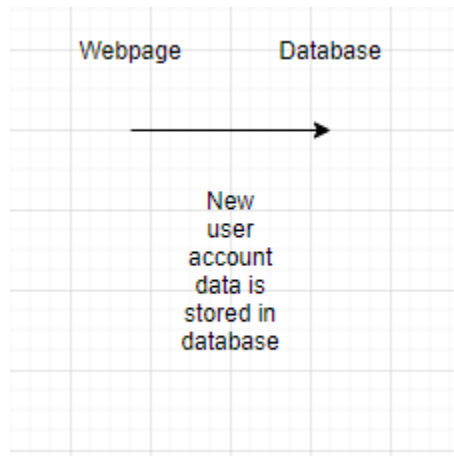
Page	HTTP Verb	API Endpoint	Description	CRUD
Calculator	Get	/api/calculator	Return activities	Read

Item B)

Purpose: User to create user account.

Page	HTTP Verb	API Endpoint	Description	CRUD
Register	Post	/api/register	Create User	Create

Erroneous request:

{

        "id": 0   Code: 405

        "username": "string"   Description: Invalid input

        "fullname": "string"

        "email": "string"

        "password": "string"

        "userStatus": 0

}

Item C)

Purpose: User logs into system to load account.

Page	HTTP Verb	API Endpoint	Description	CRUD
Login	Get	/api/user {username}	Logs user into system	Update
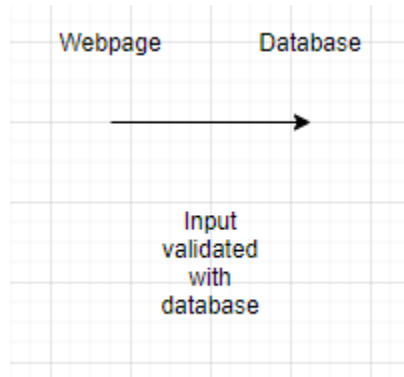
Erroneous request:

{

       "username": "string"   Code: 405

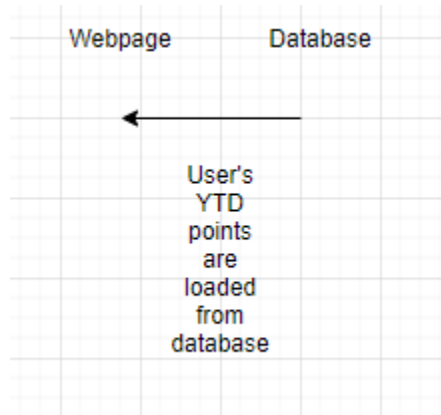   "password": "string"   Description: Invalid input

}

Item D)

Purpose: User has logged in and now goes to the calculator where their YTD point are loaded.

Page	HTTP Verb	API Endpoint	Description	CRUD
Calculator	Get	/api/calculator {username}	Returns user YTD points	Read

Webpage   Database

←——————————

User's
YTD
points
are
loaded
from
database

Item E)

Purpose: User has selected a new group of activities and clicks on calculate. The user can then add the points to their YTD total by clicking an additional button. YTD points are updated and displayed on a summary screen.

Page	HTTP Verb	API Endpoint	Description	CRUD
Calculator, Summary	Put	/api/calculator {username}, /api/pointsummary {username}	Update user YTD points	Update

Webpage   Database

User's
YTD
points
are
updated
to
database