

# Boxing Profile Management Web App

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## Step 1: System Requirements

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### Use Cases

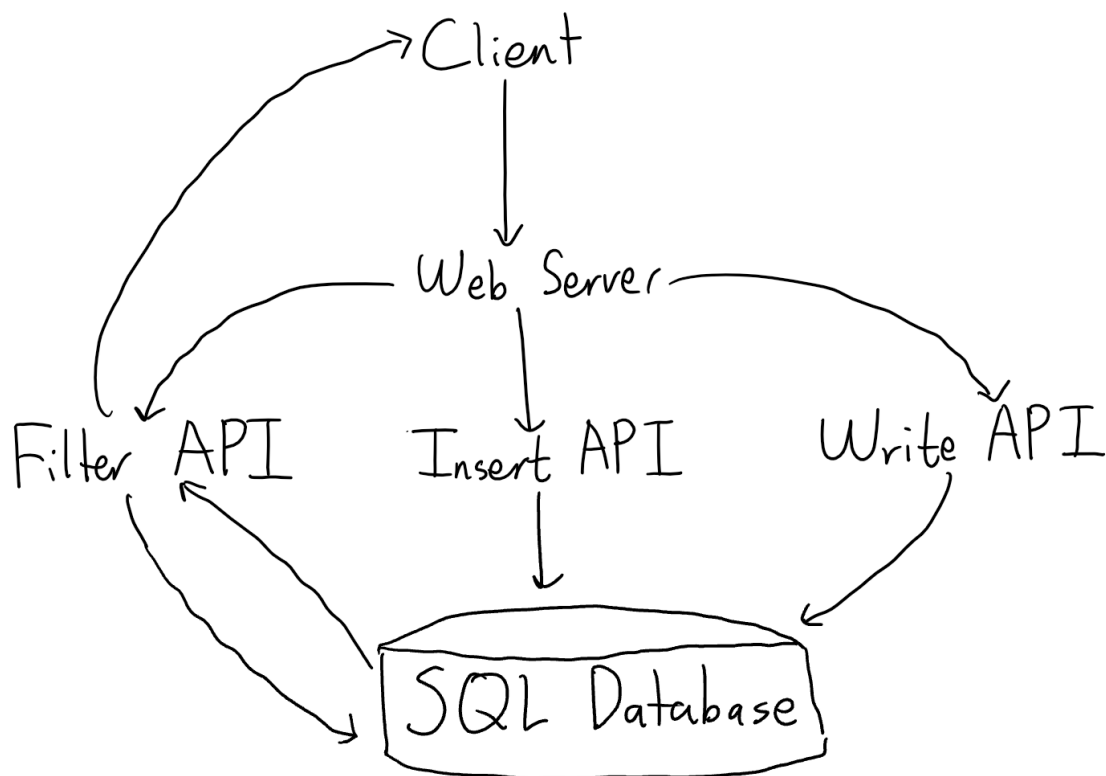
1. Be able to insert, edit, and delete a boxer's profile with the following attributes:
  1. Name (First and Last)
  2. Height
  3. Weight
  4. Weight Class
  5. Record (W-L-D and KOs)
2. Filter boxer profile by the following requirements:
  1. Name (First and/or Last)
  2. Height (from X ft Y in to X' ft Y' in)
  3. Weight (from X lbs to Y lbs)

### Constraints

No traffic and data handling constraints at the moment. May add scalability requirements in the future.

## Step 2: High-Level Architecture

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## Step 3: Design Core Components

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## Use Case: User filters boxers by their Name

Retrieve the result returned by the following SQL query:

```
SELECT BoxerProfileDatabase FROM BoxerProfileTable  
  
WHERE [low_bound] AND [upper_bound]
```

And display it onto the webpage.

## Use Case: User filters boxers by their Height and Weight Range

Retrieve the result returned by the following SQL query:

```
SELECT BoxerProfileDatabase FROM BoxerProfileTable  
  
WHERE [height or weight] BETWEEN [low_bound] AND [upper_bound]
```

And display it onto the webpage.