

Overview



1. What is this API?

2. Scalability

3. Challenges



What is this API?



Definition, Functions and Features

This religion-related API is an API that helps developers find relevant and up-to-date Islamic information. It enables users to send GET requests since it depends on two external APIs: Aladhan and Quran cloud APIs.



What is this API?

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Interface

Get Quran Edition	
Erier Ouran Edition:	
Inter Curan Letters (e.g., on most)	
Ger Carrier Collision	
Get Quran Page	
Eriter Guran Page Number:	
Enter Curren Plage Humber	
Eriter Quran Edition:	
Enter Curan Edition (e.g., en.essel)	
Gel Guren Frige	
Get Sajda Ayahs	
Errier Guran Billion	
Car Englis Ayaba	
Get Asma Al Husna	
Enter Asma Al Huana Numbers:	
God Aurra N Home	
Get Prayer Times	
Enter City	
Enter Country:	
Gel Proper Times	
Get Calendar by City	
Errier Year:	
Eritar Months	
Enter City:	
Seize City	
Eritar Country:	
Entire Country	

What is this API?

TIME RESPESS SOR

Technically





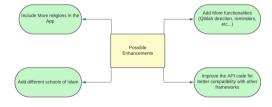


Scalability

Scalability

(1) TUNE BLANESS SCHOOL

Possible Enhancements



Challenges

Challenges



What are the problems I faced and how did I overcome them?

- Connecting the API's backend code to the Front end part.
 Solution: Using .js files and using the right fetching HTTP requests. (<%= %>)
- Error 404 not found occurs more often.
 Solution: Use of flasgger instead of swagger since flasgger is a combination of swagger and flask accessible on localhost:3000

Appendix: script.js and all.py GET request for Quran edition snippets

```
@app.route('/guran-edition', methods=['GET'])
def guran edition():
    Retrieve Ouran edition in text format
        name: edition
        in: query
        description: Ouran edition successfully retrieved
        edition identifier = request.args.get('edition')
        guran edition data = get guran edition(edition identifier)
        return isonify(guran edition data)
    except Exception as e:
        return isonify({"error": f"Unexpected error occurred: {e}"}), 500
```

```
unction getOuranEdition() {
  const editionInput = document.getElementById('quranEdition');
  fetch(`http://localhost:3000/guran-edition?edition=${edition}`)
          if (!response.ok) {
              throw new Error( Error: ${response.status} );
          return response.ison():
      .then(data => {
          const resultDiv = document.getElementBvId('resultOuranEdition');
          resultDiv.innerHTML = `${JSON.stringifv(data, null, 2)}`;
      .catch(error => 4
          console.error( Error: ${error.message} );
          const resultDiv = document.getElementBvId('resultOuranEdition');
          resultDiv.innerHTML = `Error: ${error.message};
```