

## Brugervejledning:

### Krav til at køre programmet:

Computeren skal have disse installeret:

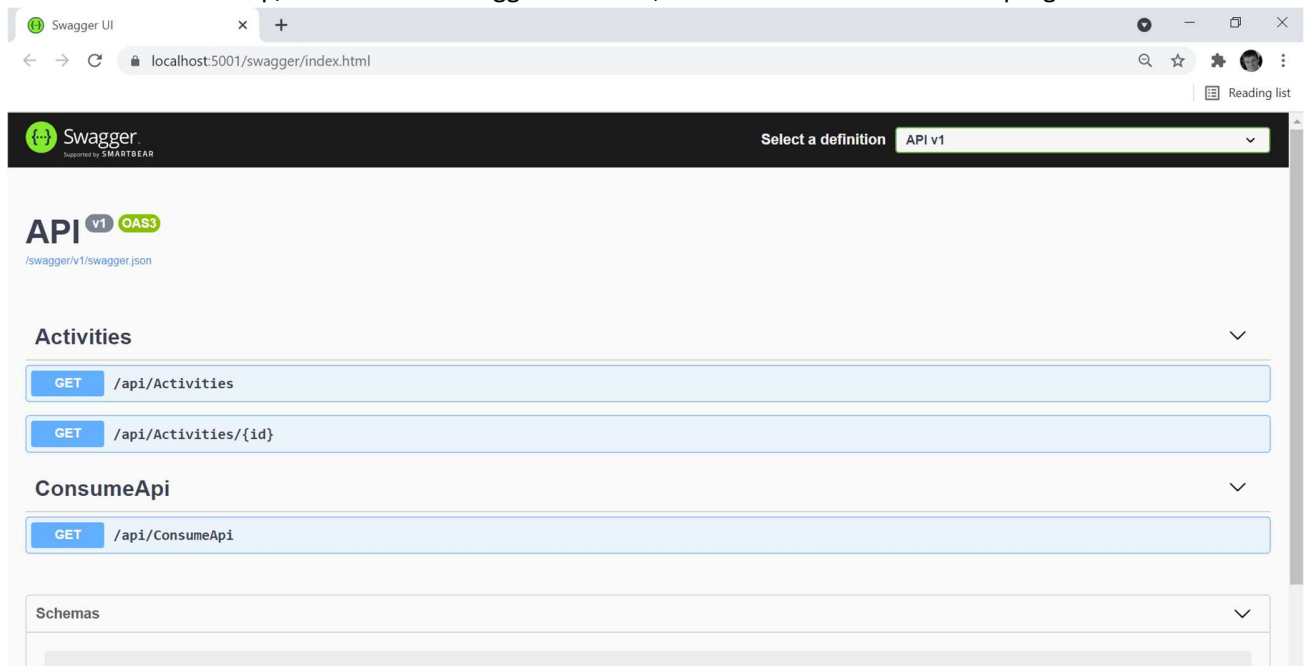
- Dotnet 5+
- Dotnet ef
  - Disse kan installeres ved at køre kommandoen fundet på <https://www.nuget.org/packages/dotnet-ef/>
- En VS Code-udvidelse kaldet SQLite

### Sådan starter du programmet:

Kør kommandoen "dotnet watch run" inde i API-mappen:

```
➤ GitHub\ConsumeAPI\API> dotnet watch run
```

Dette starter API'en op, såvel som en Swagger interface, der kan anvendes til at teste programmet.



Der er to "Controllers" kaldet **ConsumeApi** og **Activities**;

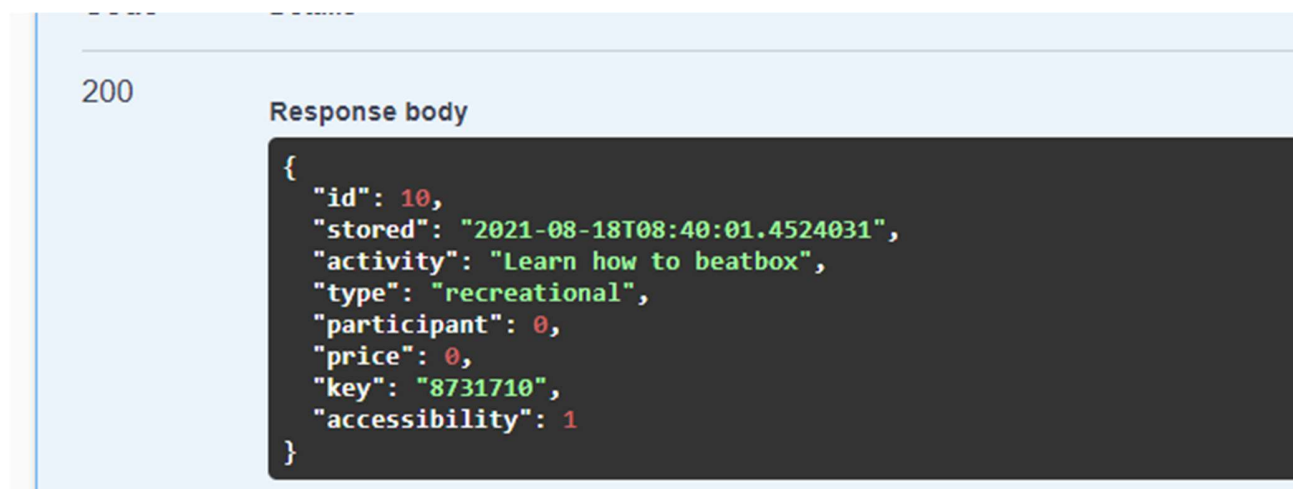
- **ConsumeApi Controller**
  - Kaller en public API på "*boredapi.com/api/activity/*" og deserialiserer den hentede JSON data til objektet kaldet ActivityModel. ActivityModel objekter bliver så via Entity Framework i SQLite databasen. Når dataen er gemt, bliver den returneret til brugeren i JSON Format, så bruger kan se, hvad der blev gemt.

- Eksempel på værdierne på objektet, som blev gemt i databasen:

Code	Details
200	Response body <div data-bbox="549 595 1461 864"> <pre>{   "activity": "Explore a park you have never been to before",   "type": "recreational",   "participants": 1,   "price": 0,   "key": "8159356",   "accessibility": "0" }</pre> </div>

- Det vil sige, at hver gang du sender en request til ConsumeAPI, bliver den hentede data fra "boredapi.com/activity" gemt i databasen og værdierne returneres.
- **Activities** Controller
  - /api/Activities
    - Returnerer alle de objekter, der er gemt i databasen som JSON-format
      - Hvilket betyder, at man kan se tabellen i databasen ved at bruge VS Code-udvidelsen SQLite eller bare anvende dette endpoint, der returnerer alle de gemte objekter i databasen.
  - /api/activities/{id}
    - Hvert objekt gemmes med et ID som Primary Key
    - Ved at bruge dette endpoint returneres objektet med det givne ID

Eksempel af /api/activities/{id} når man bruger ID 10:



Hvilket samsvarer med nummer 10 i tabellen i SQLite databasen "humanengage.db"

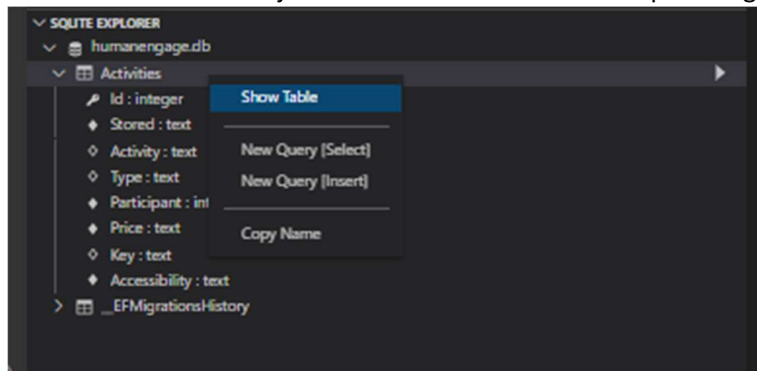
SQL ▾ < 1 / 1 > 1 - 15 of 15								
Id	Stored	Activity	Type	Part				
1	2021-08-18 05:01:16.8831099	Go to a concert with some friends	social	0				
2	2021-08-18 05:01:45.6500484	Clean out your car	busywork	0				
3	2021-08-18 05:01:55.5709985	Volunteer and help out at a senior center	charity	0				
4	2021-08-18 05:02:00.0208533	Go stargazing	relaxation	0				
5	2021-08-18 05:02:02.9967645	Do something you used to do as a kid	relaxation	0				
6	2021-08-18 05:08:20.8483412	Learn how to play a new sport	recreational	0				
7	2021-08-18 08:39:10.186912	Organize your music collection	busywork	0				
8	2021-08-18 08:39:57.5718556	Learn the NATO phonetic alphabet	education	0				
9	2021-08-18 08:39:59.8256038	Start a garden	recreational	0				
10	2021-08-18 08:40:01.4524031	Learn how to beatbox	recreational	0				
11	2021-08-18 08:40:02.8556228	Make a budget	busywork	0				
12	2021-08-18 08:51:46.3661784	Learn calligraphy	education	0				
13	2021-08-18 08:51:47.7760080	Learn how to play a new sport	recreational	0				

Hvis du vil åbne SQL-databasen, skal du gå ind i VS Code og downloade SQLite-udvidelsen. Derefter kan du åbne det således i VS Code:

Shift+Ctrl+p

Tast ind "Sqlite: Open Database"

I dit nederste venstre hjørne skal du kunne se SQLite Explorer og kan nu åbne og lave queries i databasen:



SQL ▾ < 1 / 1 > 1 - 15 of 15								
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1	2021-08-18 05:01:16.8831099	Go to a concert with some friends	social	0				
2	2021-08-18 05:01:45.6500484	Clean out your car	busywork	0				
3	2021-08-18 05:01:55.5709985	Volunteer and help out at a senior center	charity	0				
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5	2021-08-18 05:02:02.9967645	Do something you used to do as a kid	relaxation	0				
6	2021-08-18 05:08:20.8483412	Learn how to play a new sport	recreational	0				
7	2021-08-18 08:39:10.186912	Organize your music collection	busywork	0				
8	2021-08-18 08:39:57.5718556	Learn the NATO phonetic alphabet	education	0				
9	2021-08-18 08:39:59.8256038	Start a garden	recreational	0				
10	2021-08-18 08:40:01.4524031	Learn how to beatbox	recreational	0				
11	2021-08-18 08:40:02.8556228	Make a budget	busywork	0				
12	2021-08-18 08:51:46.3661784	Learn calligraphy	education	0				
13	2021-08-18 08:51:47.7760081	Learn about a distributed version control system such as Git	education	0				
14	2021-08-18 08:52:17.3458081	Start a book you've never gotten around to reading	relaxation	0				
15	2021-08-18 08:52:22.5115727	Take a caffeine nap	relaxation	0				