

Challenge

Create a little API application based on the following OpenData-API and take care of well-structured clean code to guarantee maintainability, stability, and extensibility:

<https://api.le-systeme-solaire.net/>

Following requirements/tasks should be fulfilled:

Task A

- Generate a csv of all planets returned
- Including the following columns sorted by Planet
 - Planet name
 - Count of moons
 - Mass of smallest moon
 - Mass of second smallest moon
 - Mass of biggest moon
 - Polar radius in miles
 - Unit test to prove that unit conversions are correct
 - Unit test for the calculation of the second smallest moon

Task B

- Create a second csv containing Asteroids that have bigger mass than the planet Venus

Including

- Asteroid name
- Mass in lbs

Task C

- Expose the code itself in an API with proper error handling
- Running in a Docker Container