

# Functional Specification

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Last Updated: March 07, 2015

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## Summary

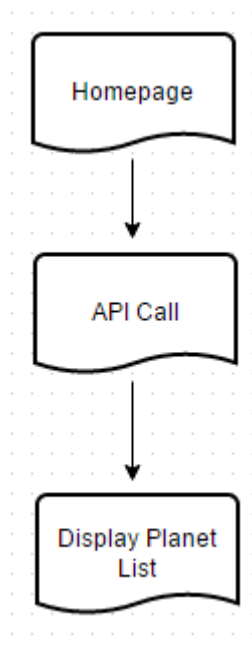
PlanetDatabase.com is an (imaginary) service which provides information about the eight planets of the solar system. For this project it will just display the names of the planets and their distance from the Sun.

## Non Goals

This version will *not* support any functionality outside of this spec. No need to show any more planet information other than the list of planets, and their distance from the sun.

## Homepage

User opens the homepage and is presented with some intro text and the list of planets. The planet list is populated by an API call to retrieve the planet list.



Homepage looks like this:

# PlanetDatabase.com

Welcome to PlanetDatabase.com

Please see the list of planets in our solar system on the right hand side.

**Mercury**

**Venus**

**Earth**

**Mars**

**Jupiter**

**Saturn**

**Uranus**

**Neptune**

The user can click on any of the planet names in order to see their distance from the Sun. e.g. when a user clicks on Mars:

# PlanetDatabase.com

Welcome to PlanetDatabase.com

Please see the list of planets in our solar system on the right hand side.

**Mercury**

**Venus**

**Earth**

**Mars**

227,900,000 km from Sun

**Jupiter**

**Saturn**

**Uranus**

**Neptune**

## **Technical**

There should be two parts to this project:

- an API endpoint which will return a JSON response with the planet list
- the website which displays the planet information

API call should be returned in JSON format. I'll leave the structure with you.

## **Note**

This is just a simple, quick project to give a feel for how you would approach a simple site.