

Bugbuster



Small project 1

Vefþjónustur

Eggert Már Eggertsson

Part one: semantic descriptors

List all the pieces of information your client might want to get out of your API or put into your API. These will become your semantic descriptors (Lýsing).

List of semantic descriptors for Bugbuster.

A board for backlog.

A board for working.

A board for done.

Sticky notes.

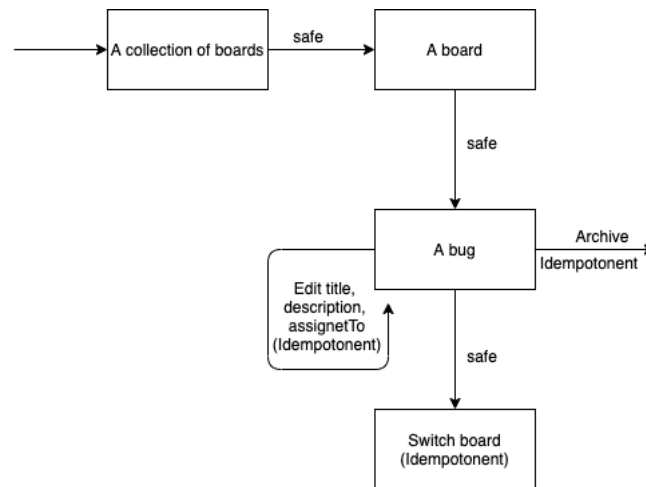
Sticky note title.

Sticky note description.

Sticky note assignedTo.

- A list of boards.
 - A board
 - Board title
 - Sticky notes
 - Title
 - Description
 - assignetTo
 - Switch
 - Position (backlog, working, done)

Part two: state diagram



Part three: reconcile names

There should be no need to change the naming of the attributes in this project, as they are all human readable. The only change to names would possibly be renaming the boards. Instead of backlog, working and done, it should be named not started, in progress and finished.

Part four: choosing hypermedia format

For this project it would be a good idea to choose the Collection + JSON hypermedia format. It is geared to handle collections, which is appropriate for Bugbuster and handles most API responses elegantly. Collection + JSON also handles these three major actions, adding a new item, editing an item and deleting an item. These actions should be the only actions needed to build Bugbuster.

Part five: profile

The attributes are: boardID, title, description, assignedTo and archived. This should be a fairly simple API, considering that there is not a lot of attributes and not a lot of information to be stored.

Part six:

The database chosen for this project is MySQL, as it is widely used and provides good scalability for the future. The framework we will be using is Django, as it is pretty straightforward and comes with a lot of tools already built in. For such a simple project, this would pair well and provide a comfortable experience during development.

Part seven: publication

First and foremost, publish the URL, <https://bugbuster.com>. Then we need to publish the profile. There is no need to publish any media type, and there are also no new link relations. Documentation would then be published. It would reside at bugbuster.com/docs.