

G00316712

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Single Page Application

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Overview

The Single page application I developed is a website based application to showcase some of my work and projects as additional piece to my online resume and CV. Its to act like an online portfolio with varying pages of content, with elements loaded dynamically from a database and populated Asynchronously.

Goals

1. **Implement Several Technologies:** One of the main goals was to introduce several technologies, and successfully get them to work together to create a single page application. These technologies were : HTTP, HTML, CSS, JQUERY, JAVASCRIPT, JSON, FLASK,JINJA TEMPLATING, PYTHON, AJAX. Then finally upload to GITHUB using bash commands.
2. **Connection of Database:** I connected to the couch (pouch) database using its built in rest api and called it asynchronously with get (http) methods and then parsed the object it returned as Json and outputted the data as HTML. The key to this was the REST API's URLs (resources) being called with jquery/ajax.

3. **Enable use of Back button:** To enable the use of the back button I utilised the window.bind function and appended the url path to the #'s then popstate stored the full url into the history. This was a modified version of my original navigation.
4. **Asynchronously load content:** I used jquery, Ajax and HTML to call asynchronously and parsed out the returned json object as HTML. This was implemented with two functions.

I also populated the database with a similar function which prompts the user for a name. Then that name gets passed into the database with the key of name, and pulled out again and displayed as a welcome message.

Technologies Used

django #3



