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### Development Phase I: Search

<http://www.recommendnextgame.com/>

This prototype is mostly running on a background SQL embedded database plugin called Caspio. The domain and hosting is from GoDaddy with customization made easier with WordPress to minimize the use of html and css coding. Currently the search bar only functions for the title of the game to clearly see the one to one comparison of the search query and the results. Ultimately it functions as it should but lacks further customization and manipulation without diving deeper with JavaScript, something I have very limited skill with. Even changing to something more customizable like Wix, my lack of JavaScript experience would prove to be difficult.

Therefore, the backup plan is to either recreate a website using either PHP or Python. Given the fact that the goal is to implement up to machine learning level algorithm Python was selected for further development of phase 1 and so on. Scrapping recommendnextgame.com and moving to pythonanywhere.com for new domain and hosting. New framework will be Flask on Python 3.6 and using SQLite for database structure.

The basic structure of the python code was from the help of Mike Driscoll

<http://www.blog.pythonlibrary.org/2017/12/12/flask-101-getting-started/>

## Flask Steam Game Database

Search for:

Title ▼

portal

Search

QueryName	ReleaseDate	Metacritic	RecommendationCount	PriceInitial	AboutText
Portal	Oct 10 2007	90	27535	9.99	Portal™ is a new single player game from Valve. Set in the mysterious Aperture Science Laboratories Portal has been called one of the most innovative new games on the horizon and will offer gamers hours of unique gameplay. The game is designed to change the way players approach manipulate and surmise the possibilities in a given environment; similar to how Half-Life® 2's Gravity Gun innovated new ways to leverage an object in any given situation. Players must solve physical puzzles and challenges by opening portals to maneuvering objects and themselves through space.
Portal 2	Apr 18 2011	95	73128	19.99	Portal 2 draws from the award-winning formula of innovative gameplay story and music that earned the original Portal over 70 industry accolades and created a cult following. The single-player portion of Portal 2 introduces a cast of dynamic new characters a host of fresh puzzle elements and a much larger set of devious test chambers. Players will explore never-before-seen areas of the Aperture Science Labs and be reunited with GLaDOS the occasionally murderous computer companion who guided them through the original game. The game's two-player cooperative mode features its own entirely separate campaign with a unique story test chambers and two new player characters. This new mode forces players to reconsider everything they thought they knew about portals. Success will require them to not just act cooperatively but to think cooperatively. Product Features Extensive single player: Featuring next generation gameplay and a wildly-engrossing story. Complete two-person co-op: Multiplayer game featuring its own dedicated story characters and gameplay. Advanced physics: Allows for the creation of a whole new range of interesting challenges producing a much larger but not harder game. Original music. Massive sequel: The original Portal was named 2007's Game of the Year by over 30 publications worldwide. Editing Tools: Portal 2 editing tools will be included.
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