Problem statement for LetsVenture Web DevOps Challenge :

LetsVenture Dictionary — a quest to design a rich online vocabulary builder!

[Problem Statement]
Develop a web application which would let the user help browse through words as well as ability to bookmark them.

[Minimum Requirement]
— Backend to fetch words from JSON API and serve same to the front-end.
     * API Parameters: word, description, audio_url
     * URI Param: character = [A..Z]
— Bookmark word (ability to bookmark word and store them in backend).
— Emphasis on backend for storing bookmarks, serving front-end, retrieving JSON data.
     * You may use your favourite backend language.
— Visually interactive and responsive interface designed with bootstrap and AngularJS.

[Plus Point]
— Implement a Bookmark-panel to keep history of bookmarked words (stored in backend).
— A feature to download (as PDF) / clear bookmarked words [stored in backend].
— Search option to find words.
— Display API Hits and also keep track of the total bookmarks done.
— User your imagination and add features which would make learning experience easier for learners

[Advance Level] (Optional / If time permits)
— Beautify; Comment; Documented code.
— a feature to share word and also play word.
— UI/UX factors such as typography, subtle patterns/textures, user view point, icon library.
— You may add portfolio activity comprising awesome work you have done on web applications

[Guide]
— Word API:
     *Eg: To get words begining with A :
     GET : http://letsventure.0x10.info/api/dictionary.php?type=json&query=A
     * Getting api-hits :
     GET : http://letsventure.0x10.info/api/dictionary.php?type=json&query=api_hits

— Emphasis on backend stack.
— Ideal Stack:
     * Your favourite backend stack e.g. PHP/ROR/Django/.NET/Java, database could be MySQL , SQLite or any other RDBMS to perform search, store bookmarks, to serve frontend and retrieve JSON data.

* Front-end technology stack should be AngularJS, Bootstrap to make user experience smoother!

— You may use below resources for bootstrap, typography, icons and subtle texture:

http://fortawesome.github.io/Font-Awesome/ http://glyphsearch.com/
http://ricostacruz.com/nprogress/ http://getbootstrap.com/components/
http://subtlepatterns.com/thumbnail-view/

Follow the link for full-res wireframe image (direct link):
 http://i.imgur.com/ztFkc8r.png
(also attached)