POEMENTOR

08.20.2016

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GitHub

Overview and Statement of Value:

a “M.E.A.N.-stack” (Mongo, Express, Angular, Node) application for aspiring poets and lyricists that streamlines composing, editing, annotating, storing, and sharing all sorts of verse — as well as providing dynamic templating, modeling, and tutorial functionalities that conveniently aid writers in more easily conforming to various traditional poetical forms, metrical prosody structures, rhyme-schemes, etc.

- As an archival tool, Poementor could function like a GitHub cloud-storage solution for one’s poetry and lyrics.
- As a tutorial application, Poementor could be extremely useful to English teachers and students, with templates and educational materials eventually added for teaching every major traditional poetical form.

Objectives:

1. Username and password authentication
    a. Poems and comments stored in each user’s collection in MongoDB
    b. full CRUD functionality with comments/notes attached to poems is essential
2. view poems archived in database, with buttons to edit any existing poem or compose a new poem
3. start with templates for a couple poem styles and add more Angular components/directives for different poetical forms as time allows
4. In “composer” mode (once edit or new poem buttons have been clicked): form input lines that are replaced by text once Enter is pressed or “complete” button is pressed, which then triggers rhyming-dictionary API call with last word of line for matching lines in rhyme-scheme, which is then available in a drop-down

    a. store line by line, append at the end of the poem array each line as submitted (by button or Enter keyup)

5. functional buttons to share poems on social media
6. Begin with a static display of traditional meter (stressed/unstressed marks) above each line which will then be replaced by more dynamic functionality:
    a. Use a dictionary API returning pronunciation to check syllables against that style of poem's orthodox metrical form and provide dynamic feedback in an aside box about the syllable count per line.
    b. This would replace and upgrade basic MVP functionality simply showing the orthodox metrical structure above each line as static labels and providing syllable count, by eventually building to full metrical tutorial functionality detecting and noting deviations from orthodox stressed/unstressed meter pattern. The ultimate hope is to provide full dynamic feedback on exact meter syllable by syllable using pronunciation from a dictionary API and parsing that with an algorithm.
7. Dictionary definition search API functionality? Or search within poetry archive?

Specifications / Tech. Stack:

- a "MEAN-stack" (Mongo, Express, Angular, Node) application
- Angular 1.5.7 (eschew Angular 2, which is not yet fully complete)
- Bootstrap
- Node and Express on the server-side
- MongoDB with ORM (plus Mongoose, if necessary) as NoSQL database
- GET and POST routes for retrieving and adding new data, plus DELETE (full CRUD)
- deployed using Heroku (with mLab?)
- utilize at least two new libraries, packages, or technologies we haven't discussed:
    - Angular
    - Gulp
- authentication of users (PassportJS)
- polished front-end / **UI**
- directory structure that meets the MVC paradigm
    - John Papa style Angular components/directives structure
- quality coding standards (indentation, scoping, naming)
- project management: GitHub issues/milestones
    - will add more issues (and perhaps more milestones) for features as necessary beyond the major milestones

Major Milestones

I. August 20

plan, design, research

II. September 10

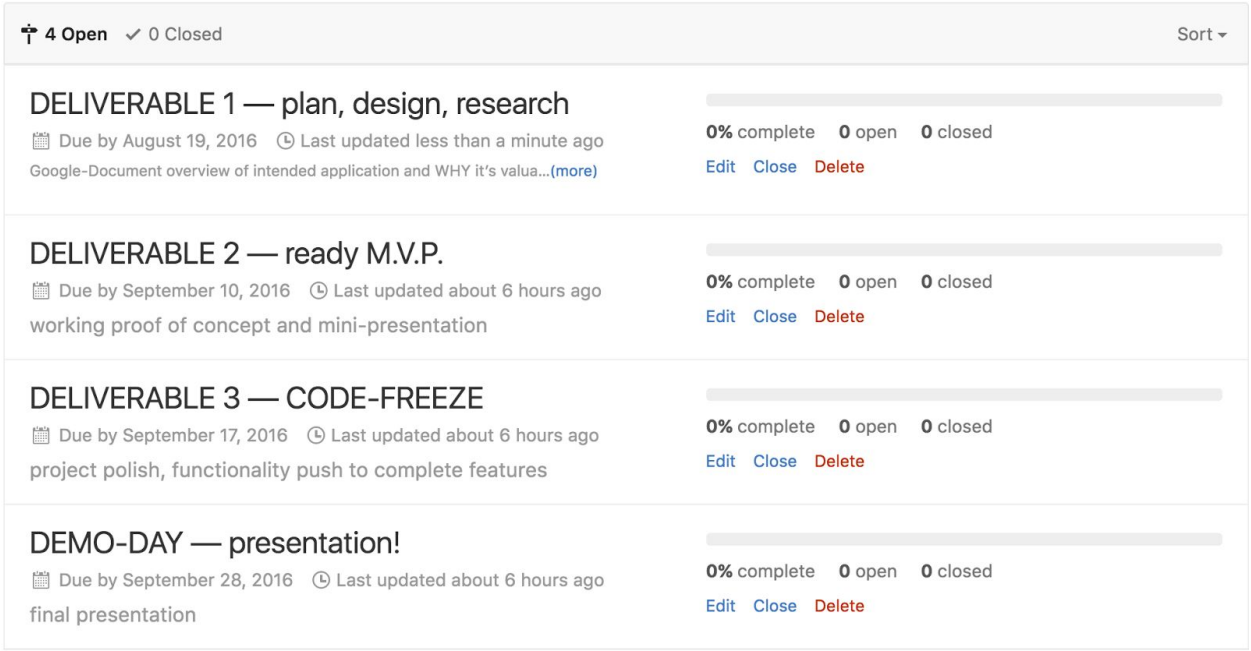
ready MVP, working proof of concept and mini-presentation

III. September 17

project polish, functionality push, final plan — CODE-FREEZE

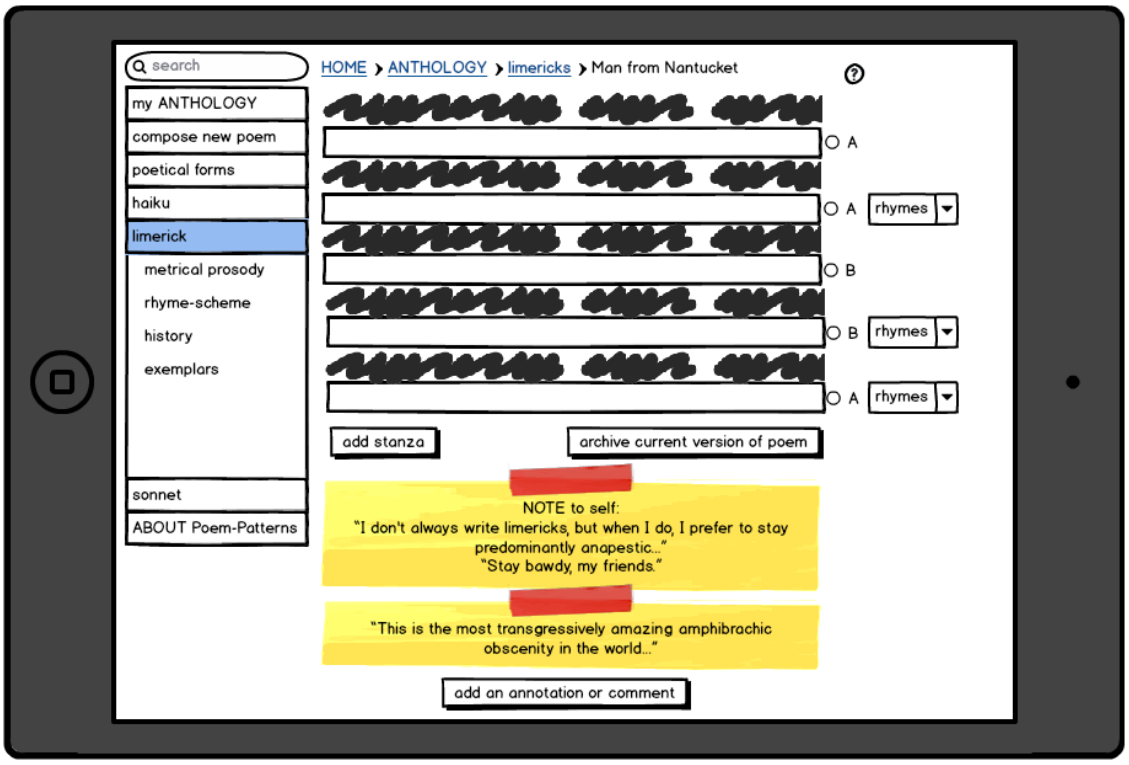
IV. September 28

demo day, final presentations



Mockups:


ABC
10:32 PM
HOME › ...
search
my ANTHOLOGY
haiku 5
limericks 5
sonnets 14
compose new poem
poetical forms
ABOUT Poem-Patterns
HOME › ANTHOLOGY › haiku › Leaves of Grass
A
B
A rhymes
B rhymes


search
my ANTHOLOGY
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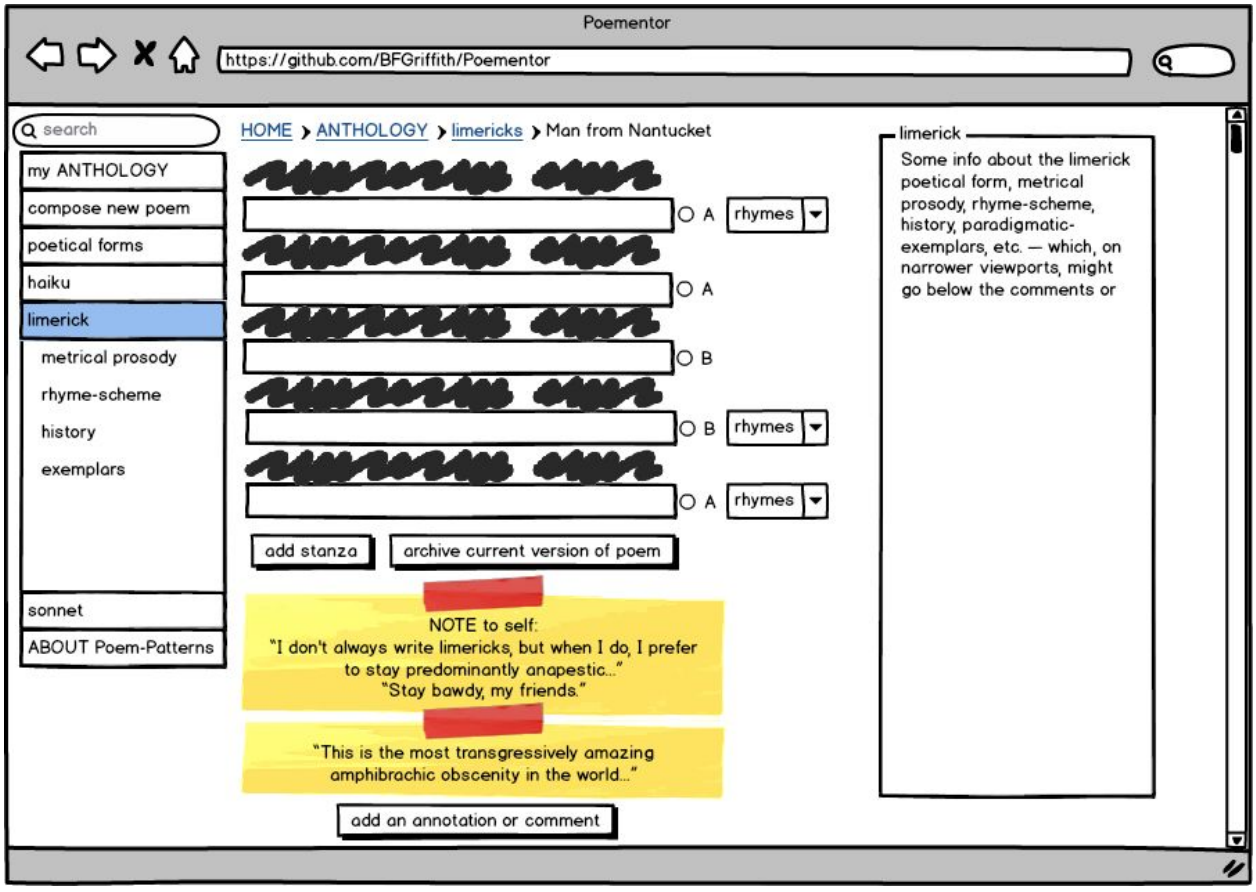
poetical forms
haiku
limerick
metrical prosody
rhyme-scheme
history
exemplars
sonnet
ABOUT Poem-Patterns
HOME › ANTHOLOGY › limericks › Man from Nantucket
A
A rhymes
B
B rhymes
A rhymes
add stanza
archive current version of poem
NOTE to self:
"I don't always write limericks, but when I do, I prefer to stay predominantly anapestic..."
"Stay bawdy, my friends."
"This is the most transgressively amazing amphibrachic obscenity in the world..."
add an annotation or comment


Poementor
https://github.com/BFGriffith/Poementor
search
my ANTHOLOGY
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limerick
Some info about the limerick poetical form, metrical prosody, rhyme-scheme, history, paradigmatic-exemplars, etc. — which, on narrower viewports, might go below the comments or