10/12/2020

10pm

* Meet & Greet - discussion of everyone’s backgrounds and various skills that might be applicable to this project
  + Jake nominated as lead programmer
  + Keegan & Nelson on database
  + Keegan on writing
  + Nelson on Zoom wrangling
  + Mary on agile management, form design, user stories, backlog, wireframes
* Initial ideas
  + Public interaction with NASA databases / information sources
  + School interface with NASA, request for speakers
  + City government, something that closes the loop between citizens and government services

Action Plan:

* Agreement to meet weekly on Sundays ~3pm
* Mary will drop a line to Corie
* Put ideas into a Brainstorming doc during the week
  + Jake to share NASA links
* Plan to vote on idea and start drafting proposal on Sunday, Oct 18
* Plan to have preliminary proposal by Oct 25

Questions:

* What are the requirements for the project proposal?
  + Answer from Doug Lay:  
    Hi Mary, there are no requirements as far as the format of the proposal, and the only content requirement is that it describes what you propose to do. I would suggest you send me a preliminary proposal a week or so before the due date (1-2 paragraphs is fine) and I'll make suggestions if I think your project would be too difficult or too simple.

10/18/20

3pm

* Welcome Corie!
* Settled on main idea:
* Middle School Science Learning Quiz website
  + We establish a set of questions - webapp offers a random sample
    - ~2 middle grade levels or easy/medium/hard or 1-5
    - Allow students to choose their topic
  + Science Content
    - Read science stuff
    - Show What You Know quiz
      * multiple choice / checkbox / etc.
  + Give space for students to submit questions for inclusion (feedback used to inform future content) -- relegated to backlog
  + When done - email your results
* Backlog
  + Credentialing system - student, teacher portal, associate with class
  + Submit your own question - as its own page
  + “To learn more…” references
  + Some kind of tangible thing -- view the stars or lunar cycle, send us your feedback
  + Answer and user capture to a parent or teacher for review
  + Portal for teachers and classrooms

Action

* Mary to draft proposal paragraph and circulate on GroupMe
* Next meeting Sun, Oct 25 at 3pm

Major Components

Gather science content and invent question

Intro for teachers or parent and intro for kids

Come up with questions

Display page

Take input - grade or level & topic

Display questions through quiz

Some kind of ability to send score to teacher / parent - submit score by email

10/25/20

3pm

Does Keegan have enough information to write the official proposal? **Due Nov. 1**

* Identify sources of information - science information
  + NASA sites
* Keegan draft and circulate for final approval by end of week
* Discuss final refinements on Nov. 1 for submission that day

Schedule Discussion

* Project due after presentations (a little wiggle room if something needs final work?)
* Good idea to give ourselves ~1 week buffer at the end
* Mary to do rough project plan for discussion / assignment next week

Scoping Discussion

* Middle Grade
  + Build - one grade, one module
  + Wireframe - demonstrate buildout to multi grades, multi modules
* Subject Area
  + Space & planets
* Jake proposes Django instead of PHP and gets a thumbs up

11/1/20

3pm

Reviewed Keegan’s proposal write up

* Refined target to NASA’s Moon to Mars middle grade page

<https://www.nasa.gov/topics/moon-to-mars> - especially Artemis mission

* Added angle on what NASA will get from this website - i.e., use lunar focus as publicity of the Artemis mission, funding

Agreed on using Trello for project management (Mary set up and demo’d)

Agreed on Figma for wireframing - Jake set up

* One page for ERD
* One page for wireframes

Broke up first tasks to…

* Draft quiz questions (Keegan & Mary)
* Wireframe user page (Jake, Corie, Mary)
* Design db & draft ERD (Jake, Nelson, Keegan)

11/8/20

3pm

Determined schedule through November -- keep the standing Sunday meetings and add Thursday except week of Thanksgiving will be Tuesday. New mid-week working meetings on

* Nov. 12
* Nov. 19
* Nov. 24

Review of last week’s work:

@Mary - created some quiz questions

* NASA written material is often press releases
* Videos seem like a better fit (and more appropriate)
* Keegan will add to the list of Qs

@Jake & @Keegan initial discussion of wireframes, plans to use a library called bootstrap for UI coding (see below for wireframes)

@Jake and @Keegan started working on the ERD / data structure (django)

3 entities:

Questions

Quiz

User

Q: Where will we host this?

Code locally for now -- Huroku when we’re ready to deploy, integrates with GitHub

Updated all of the above on Trello board.

***Work Meeting:***

* Jointly build wireframes for pages we’ll build for the webapp
  + Home
  + Quiz Landing
  + Quiz Page
  + About

Action Items added to Trello for Nov. 12 meeting - queue questions, db/ERD, documentation for user stories & backlog, repository, screen content

11/12/20

7pm - group conference w/ Doug Lay

Corie, Jake, Keegan, Mary (Nelson at work)

Roles

Mary - scrumaster

Jake - lead programmer

hosting?

AWS - EC2 server? All Jake.

Huroku

Lay’s looking for more on process than product

* What did you learn?
* How would you proceed from this point?
* Rather have a few things done well than a lot badly
* Get the foundation - assuming beginning of a 3-4 month project
* Do what you do well -- features that you do implement well
* Not necessary to deploy but great if you can!

Presentation before final -- but ok to do anytime up to the last day 7th-20th

11/15/20

3pm

Jake, Keegan, Nelson & Mary

Corie not available - Keegan will give her the update

What have we done?

* Jake set up Git repository
* Keegan worked up and cleaned up more Resource & Quiz items
* Mary set up Backlog and User Story board (Trello)
  + Also tested Trello export to csv via plugin and deemed good enough
* Nelson moved house!

Jake suggested a README file for the project - assigned to Keegan

* Sample: <https://github.com/jakecupani/foodsafety_pg>
* Markdown language resources:
  + https://www.markdownguide.org/cheat-sheet/
  + https://stackedit.io/app#

Jake has/will invite everyone to the Git repository for the project

Go through the steps below to run it on your local --

Problems? Call Jake!

* First, install python (python.org)
  + Terminal - type ‘python’
    - <https://www.python.org/>
* Then, install pip
  + Terminal ‘install pip’
    - https://pip.pypa.io/en/stable/installing/
    - Get pip.io - right click and save as python file
    - Terminal ‘python get-pip.py’
* Then, install django
  + Install
* Then, start server
  + Terminal: python manage.py runserver
    - *Note: On Windows 10, use py instead of python and make sure you’re using the right file path to manage.py -msd*
  + You want the green rocket to tell you... “The install worked successfully! Congratulations!”
* Install VS Code if you’re not already using it for class

Adding style and/or html through this process -- Feel free to either do the formal Git process or send html files to Jake to commit.

Style - Bootstrap

https://getbootstrap.com/docs/4.5/components

* Uses preformed classes
* Everyone should go through Bootstrap and contemplate elements
* We will all review and select some main styles to use throughout the site

**Next Meeting**: Thursday, Nov. 19 - 10:30pm - 11pm

See Trello for more!

11/19/20

10:30pm

All hands on deck

Quick check-in, during which we all decided we needed to catch up this weekend and will meet again on Sunday. In the meantime...

* Keegan did a bunch of work on quiz questions / organizing
* We decided to put “randomized quiz questions” into the backlog for now
* Discussion of using “Where We Go” video on the main page, good focal point
* Maybe mock up a page or two with embedded video and questions?
* Mary walked Corie through Trello board to fill out backlog

11/22/20

3pm

Jake still working on setting up dev environment, probably done today

* Troubleshooting python/pip/django set up on everyone’s locals
* Should be able to start building html by next meeting

Walked through the Bootstrap system

* Mary to assemble basic html Style Guide, mostly to facilitate decision making
* Request from Jake to include class information
* Corie to choose image for About page
  + Corie has text for “About” page, will add to common drive

Discussion of Questions & Content

* We have plenty to get started
  + Possible additions - More questions for the topic areas chosen
  + Flesh out “spacesuits” topic under Keegan’s methodology

Corie has notes on Backlog epics -- she will add to Trello

Tuesday - tentative 8pm

11/24/20

8pm

Quiz Questions - will go with what we have and develop more if needed, using quiz questions based on written material. Videos will be supplementary on site, or used TBD.

* Keegan to check whether NASA YouTube videos have transcriptions, which would make it easier for teachers / content building

Keegan had checked in the beginning of a GitHub Readme

* Worked through an example Jake had used on another project and tailored to this project
* Will add link to figma wireframes and trello user stories
  + Write a graph on epics / user stories for Readme
  + Make a Trello image to discuss project management
* ReadMe as effectively the rough draft of the final report

Documents Repository

* Jake walked through the basics of the repository and django
* Each person got a folder in the project for related documents
* Check documents or revisions into your personal folder
  + Source folder for supporting documents
  + Low risk commits

Style

* Mary walked through basics of a Style Guide assembled using Bootstrap
  + Need to check wireframes for any elements not already captured
  + Check documents and images into Git for reference

Documentation for Django: https://docs.djangoproject.com/en/3.1/intro/tutorial01/

Schedule Discussion

* @mary - check with Doug Lay re presentation dates
* For Sunday, Nov. 29
  + On Sunday, if html plan sorted out, build the About page with Jake so we can see django and style additions in action
  + Corie & Mary to divide Bootstrap & User Stories and conquer
  + Corie to put About text into shared drive
  + Keegan to have most of ReadMe finished
* That leaves ~ 2 weeks for hard coding
  + Use About page for basics of Landing page
  + Get one quiz functioning for presentation
  + Can add quizzes before submission as desired

11/29/20

3PM

Keegan is working on finishing the ReadMe/Executive Summary for Git. Keegan will let the team know via GroupMe when the draft is finished and ready for review (either Monday or Tuesday evening).

Jake added Corie and Nelson to Git.

Jake has created a site that links three pages: Home, Quiz, and About. Jake asked that the team provide any feedback to improve the page layout. Jake said the next step is to fill in information on the Home Page and About Page.

Corie has uploaded the About Page text to Google Drive. Corie will add a “For Students” section on About Page text early this week (by Tuesday evening).

Corie asked about whether the About Page would contain links for teachers to log in to monitor student performance. Jake recommended keeping the About Page simple and that this teacher functionality be backlogged.

Nelson will upload the Home Page image to his Git folder.

Jake and Keegan will try to meet later this week to work on the Quiz Page (either Thursday evening or Friday).

The team briefly discussed the logo. Keegan suggested incorporating information like “Moon to Mars” but stylized as “Moon 2 Mars” or “M2M” since the team in the class is “Group 2.”

Next Team Meeting is Scheduled for December 3 at 9PM

12/6/20

3:30pm

Corie, Mary, Keegan, Jake

Walked through Keegan’s template for the presentation parts and timing

* Presentation will be pulled from the ReadMe, already in progress
* Ran through current state of ReadMe for missing parts
* Discussion of possibilities for “Lessons Learned”

Walked through components we need for final package (see Trello for details)

Clarification of Quiz content

* Proof of concept; working example (vs lots of broken content)

Discussion of website name / logo

* AstroQuiz seems to be the winner

Dates

* Selected Thursday Dec. 17 lunchtime for presentation
* Possible Wednesday (Dec. 9) meeting if needed
  + Jake to update on backend midweek
  + Keegan to pass Mary ReadMe for review / editing
* Next Sunday (Dec. 13) meeting
  + “About” html from Corie should be done
  + Slides should be done
  + Dry run of presentation
  + Any remaining technical issues?
* Plan to wrap up final documentation after presentation
  + Allow us to incorporate any feedback / questions from presentation
  + Confirming final submission date

12/12/20

2ish pm

Reviewing site so far!

Updates

* Corie demo’d About page -- will work with Jake to integrate with existing site (also still needs Parents section)
* Keegan updated Git ReadMe for NASA content (@mary to review)
* Jake showed off the quiz question structure and admin process to add questions

To add quiz questions, use Django Admin as follows:

* Navigate to /admin page
* Select Quizs (sic)
* Add Quiz
  + Give it a Title
  + Give it a Topic
  + Select Difficulty
  + (Thumbnail?) - not working, stay tuned
  + Description of quiz content
* Add Questions
  + Add question for the quiz you just added
    - Title
    - Description: ADD answer explainer in this field
      * Can this field take a hyperlink? Needs a test.
* Add Choice
  + Add choices
  + Make sure only 1 is correct

Source for detailing ERD:

Quiz > Models.py

* Class: question - entity
* Question foriegn key to quiz
* Choice has an ID that’s a foriegn key to question

E.g., Is\_correct = boolean

Assigned out remaining tasks and planned to meet again tomorrow.

12/13/20

3pm

Working meeting

Walkthrough all project parts for missing pieces

* Review of ReadMe / report

Site walkthrough

* Titles repeating topic area -- need to update to be more specific
* “Test.” in description fields needs to be replaced with quiz teasers
* Review of Trello testing system and early bugs
* Review of navigation, proposed updates

Review of presentation slides and items outstanding

* Plan to segue to actual software tools during presentation

Reviewed and tasked final pieces

12/15/20

8:30pm

Working meeting

* Review deployment to Heroku
* Workflow process for final refinements: INFM603 in Git > Jake pushes to Heroku
* Final updates on site
  + Text and links for learning resources
  + New quiz questions
  + New categories for quizzes
* Review of loose ends
  + Final review of ERD documentation
  + Final additions to presentation slide deck
  + Wrinkles in ReadMe move to Git
  + Final Lighthouse testing, review, screenshots for presentation
* Review of presentation process and content