Progress and Lessons Learned

5-Minute Morning Routine

Documentation for software development of a Bootstrap website



Nucamp Full Stack Bootcamp

Bootstrap Project Final Report

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**1. Introduction**

* This is a self-improvement website/application that can be used to inspire people to take the first steps to affect long-term changes to routine or lifestyle.
* The website will present a 5-minute morning routine to prime the mind to be receptive to fulfilling personal goals and/or habit change throughout the rest of the day.
* The routine will be composed of 3 items: inspirational quote, mantra, goal for the day.
* Below are the mockups and final UI design for each site page:

 



 

|  |  |
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| Dev Stack | Features |
| html | collapsible navbar toggle |
| css | tabbed modal |
| Sass | form-group |
| Bootstrap | wave svg |
| jQuery | cards |
|  |  |
|  |  |

**2. Design and Implementation**

* Team Effort
* To implement the design to actual code, the team created a GitHub repository at <https://github.com/creepercats/FiveMinuteRoutine/> for version control and access to each other’s code. Each team member was responsible for developing one page of the website including a dedicated .css file. One branch was created for maintaining each page. Upon completion of the Bootstrap portion of the application, branches were merged into the main branch.
* A dedicated Slack DM group was created for continuous communications for updating what each other was working on, getting suggestions or help, and for posting resources.
* We met weekly via Zoom to summarize slack discussions and to make change decisions.
* Changes to Planned features
* The early design process focused on rough overall layout and color scheme, with “mobile first” in mind. Mockup wireframes and user flow diagrams were created and revised with changes. Originally, we wanted to represent bright colors associated with sunrise and chose a background gradient of pinks and oranges. Feedback revealed that the colors overwhelmed the site content, so we modified the scheme to more subtle purples and oranges, as well as removed colors from forms, to allowed the text with images to be the focus of attention.
* Early discussions on the motivation of the site led to the home page turning into a landing page. Upon scrolling to the bottom of the home page, the user is called to action to engage with the application buy clicking on a “Commit” button, which links to the registration modal.
* We all decided on one long home page that scrolls and with researching other similar sites, we wanted to implement a scrollspy, where the breadcrumb nav would automatically activate as the user scrolls. We decided not to implement the scrollspy until we felt there was a significant amount of content. As we are keeping this website/app simple enough to implement React features in the next Nucamp session, we are putting that design element on hold.
* Another design modification was removing the white background from the navbar. Since the navbar items will remain at 2 or 3 items only, the white appeared to imply that more buttons or other content would be filled in there, so was not conducive to our project.
* For the register and login buttons, we decided those should lead to a modal with tab system to tab between either login or register. Our instructor suggested to hide the register button after the user registers, which we will implement, because that will reduce unnecessary content – and if the user wants more than one account, the modal will provide that option.
* The account page will be in the navbar once we develop the login functionality. Once a user logs in, the Login / Register buttons will become an avatar icon that takes the user to their account page.
* The account page displays the routine. The 3rd element of the routine, the goal of the day, will take form as a list the user will input instead of the original idea to have a sample goals list.
* Mobile-first design lead to the development of a collapsible navbar. As this app will be best used on a mobile device.



* Unchanged Planned Features
* The main overall UX design remained the same throughout the development process. That is, in the absence of a user account, the site will present a sample routine based on common goals (i.e. learn a new language or stop smoking). With a user account, the site will incorporate the **user’s** personal goals, quotes, and mantras into the morning routine. The 3-step routine:
* Inspirational quote of the day with picture
* Mantra of the day to read aloud with picture
* Goal of the day to write or input
* Form for users to input their own inspirational quotes
* Form for users to input their desired habit change goals
* Featured quote of the day pulled from database
* Appended Wish List Features:

Our wish list of features grew and grew!

* In the goals sections of the accounts page, the user “Likes” a routine checklist that resets every day. The user manually checks off the routine completed each day, earning badges to display on the user profile. Each goal would have 1-3 routines to choose from and a max of 2 active goals will be an option at a time, so people don’t overwhelm themselves with too many at once. Once people set their goals, they can then set their own routine checklist to try and achieve those goals. If the routines are checked off every day for 30 days, the ability to achieve your goal giving more badge rewards, and will unlock the ability to set another goal.
* Track number of days in a row the routine is performed with reward system for reaching # of days in a row. Reward may be in form of satisfying **visual effect with sound**.
* Pull in inspirational quotes and mantras via **API (**Rapidapi.com)
* Build our own APL in back end for quotes
* Sticky breadcrumb like the one on figma.com that activates the buttons associated with the viewport you’re on while scrolling. INSPIRE > MANTRA > GOAL
* Align login/register modal to center of screen
* Notification to use app at a time of day chosen by the user (React native)
* Carousel on top with drag & drop feature into a Pinterest-like ‘My Inspirational Photos’ album
* A hovering down arrow to indicate scroll down
* A “Get the App” button in nav
* Change colors from greys to colors post mantra, goals activities?
* Avoid reloading page whenever possible (React)
* jQuery .scroll()
* Filterable quotes and mantras by genre
* Link to user profile - submitted quote – shows users goals
* Badge system to display in profile

**3. Conclusions**

* What We Learned
* The most valuable thing about this project is the experience working as a team. We benefited from each other’s strengths and had someone always standing by to help when we got stuck.
* Learning the ins and outs if git was also hugely valuable. It was a high learning curve for all of us, and I know we will use this skill as contributors developing software in industry.

Best Features and Shortcomings

* The best feature visually is the wave svg. It was the most challenging however to align it with the background and set it. This turned a boxy Bootstrappy-looking site to a customized design.
* The collapsible navbar is the best functional feature since it’s necessary on mobile devices.
* The best useful feature is the registration form – not in and of itself, but because future implementation of storing user data will allow for user interactions.
* Improvement could be made on the collapsible navbar. We think it could be more compact, taking less space on the screen. Other than we’re satisfied with the design.

What We’ll do Differently Next project

* During the next phase of the project, the React phase, we will start the UI/UX design process earlier.
* We've noticed having your site functionality laid out in more detail makes for a quicker production and less confusion, so for our next project we will be setting more site functionality in stone.
* On this project we did not really ask our classmates for feedback, feedback is very valuable during development to help steer you in the right direction, on this next project we will be asking our classmates for regular feedback.