Prototype Kit Training

1. Hello, my name is Casey Hill. I am a User Experience Architect for FBCSS, and today's training will show you how to download and install the Prototype Kit version 1.

2. Before you get started, you will need to have Node version 12 or above and Node Package Manager, version 6 or above, installed on your computer.

3. Node Package Manager, also known as NPM, is used to manage the installation and build process for the Prototype Kit.

4. Feel free to hit pause on the video now, Once Node is installed on your machine, you are ready to continue.

5. The Prototype Kit is a design tool kit that can be used to quickly build high-fidelity HTML prototypes that run in your browser.

6. The Prototype Kit uses the FPAC Design System as a dependency, which will allow your prototypes to utilize the same look and feel as production ready applications.

7. Let's get started.

8. Open a web browser and navigate to github.com/usda-fsa.

9. Within the list of repositories, click on the fsa prototype kit.

10. On the right side of the screen you will see a green dropdown button with a label that reads Clone or Download.

11. Click the button to open the dropdown panel, and either highlight or click on the Copy to Clipboard button.

12. Either within your IDE or with a Command Prompt, change directories to where you store the source files for your projects.

13. Clone the Prototype Kit repo into a new directory by typing

14. git clone Paste the URL from the clipboard and then provide a directory name for your application and hit enter.

15. The Prototype Kit project files will be downloaded to your computer

16. Back in Terminal change directories into the newly created application project directory by typing cd and the name you provided

17. Next, type npm install and hit enter.

18. It can take between 2 and 15 minutes to install all of the dependencies, so feel free to pause the video until they are completely installed.

19. A directory was added with the name of node_modules, which contains all of the required dependencies.

20. If no errors occur during this process, you are ready to build the application.

21. Type **npm run build**

22. This will run webpack's build process which creates a new directory named dist.

23. Dist contains all of the files that are required to run the Prototype locally on a web server.

24. This process could take a couple minutes to complete.

25. Once built, you can type **npm run start** to enable and run a local web server.

26. This will automatically launch a new browser and the Sample application at localhost and running on port 8888.

27. As you can see, the application is now fully functional and you can begin building your own prototype applications.