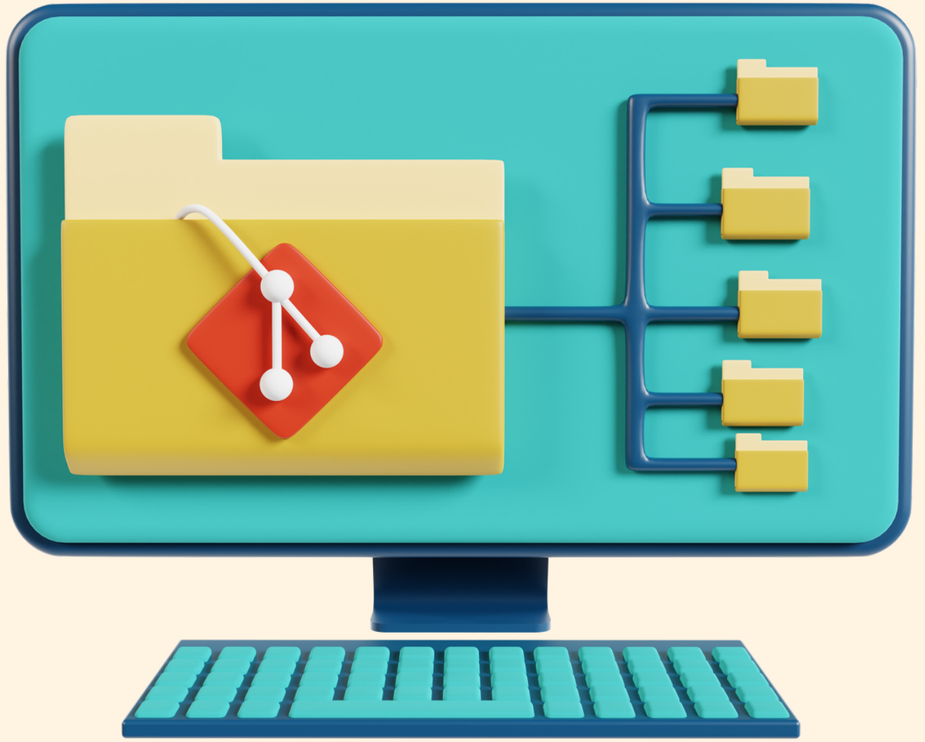
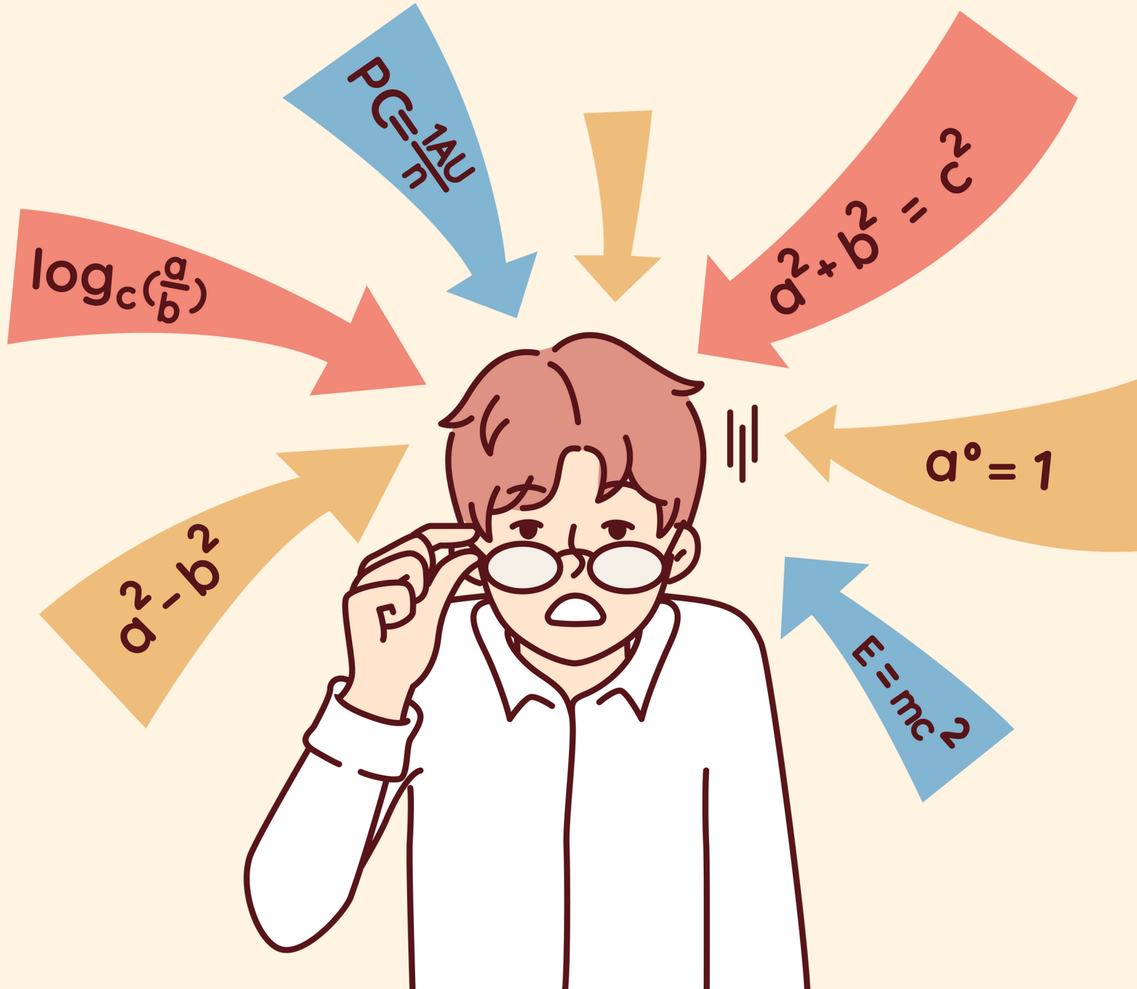
What exactly does Git do for us?



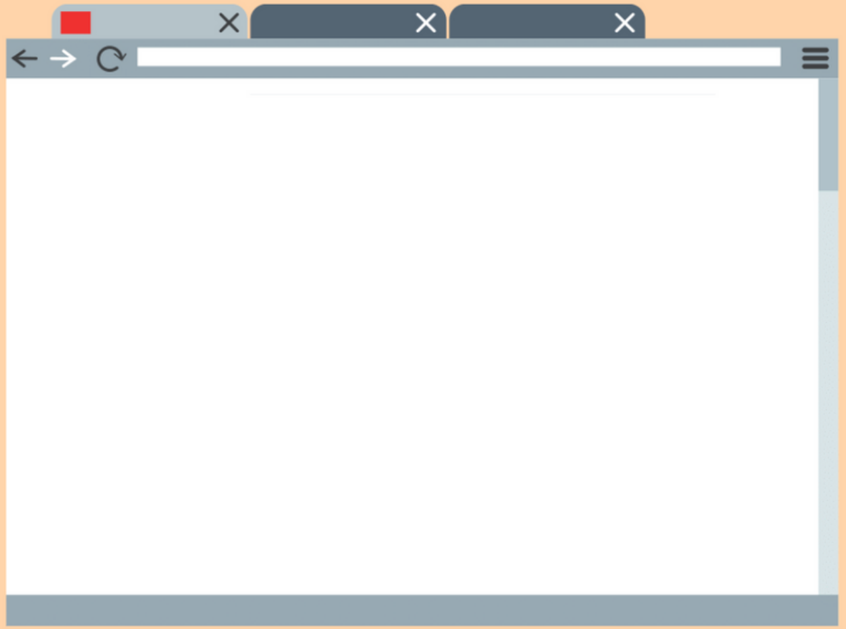
Git helps us...

- Track changes across multiple files
- Compare versions of a project
- "Time travel" back to old versions
- Collaborate and share changes

Let's Look At An Example

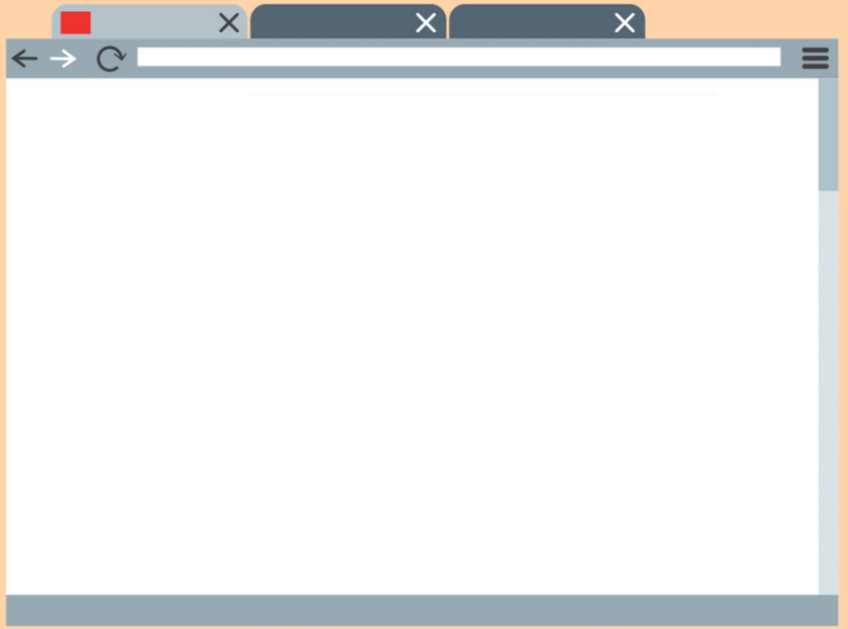


I Start A New Project!



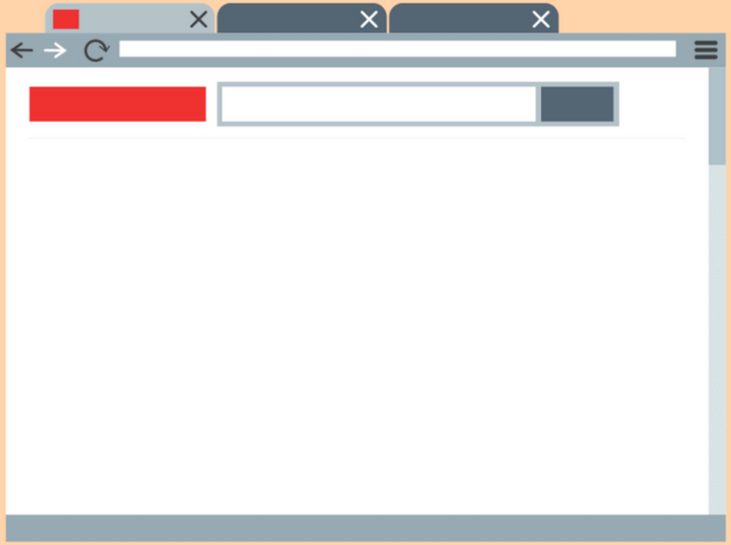
Add A Checkpoint

Initialize Project



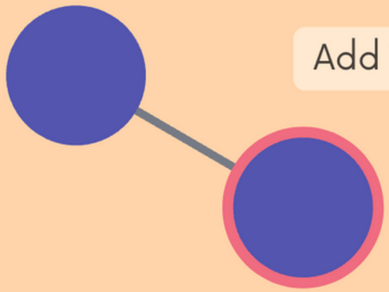
I work on the navbar

Initialize Project

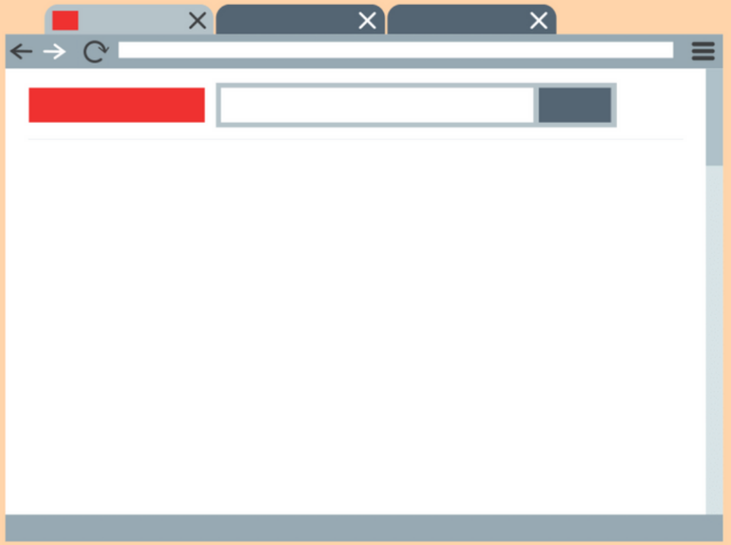


Add A Checkpoint

Initialize Project

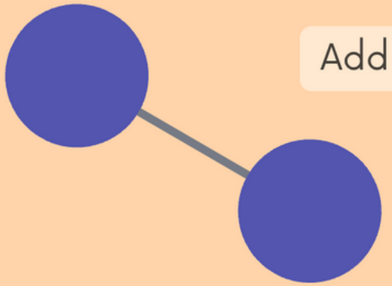


Add Top Navbar

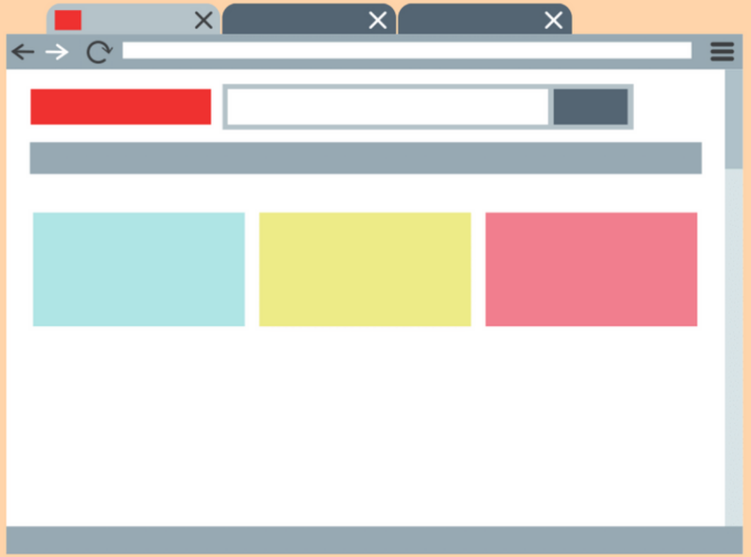


I add some content

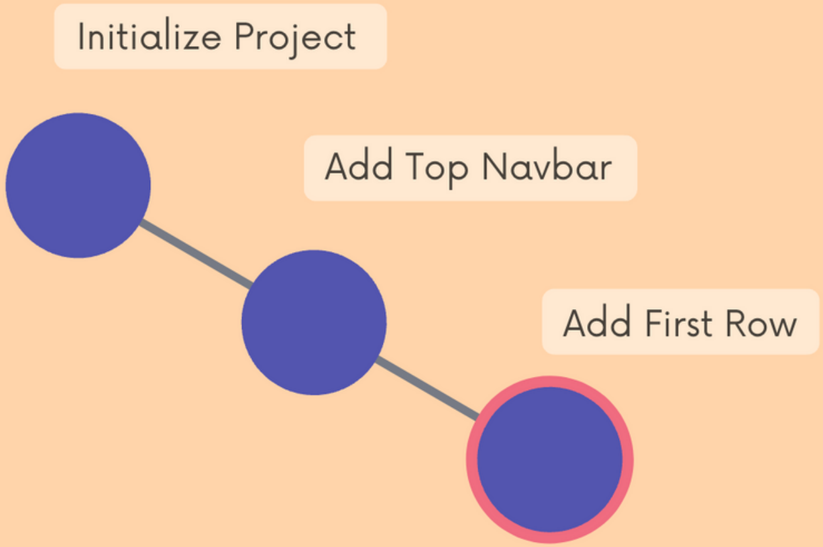
Initialize Project

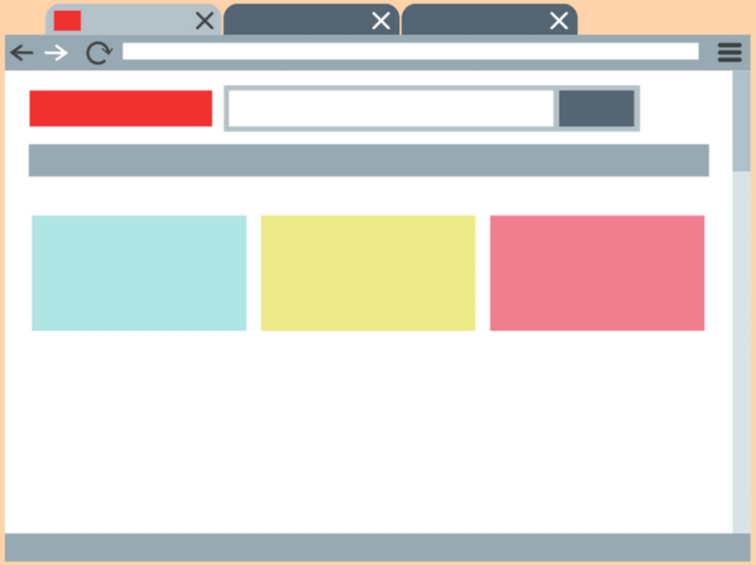


Add Top Navbar

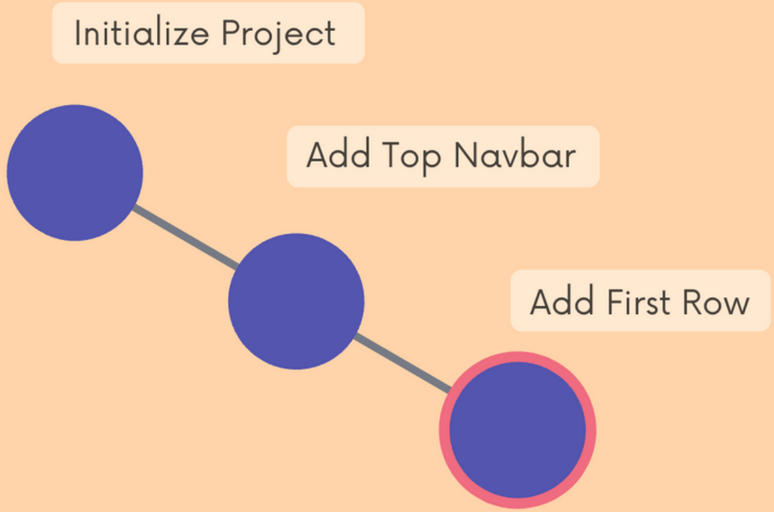


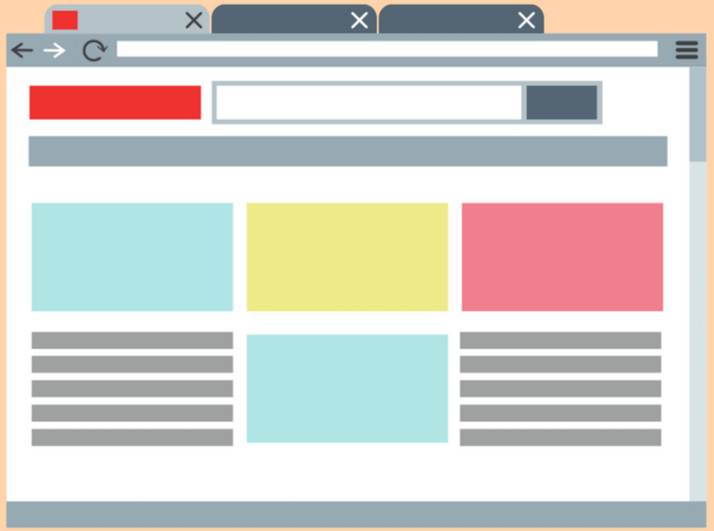
Add A Checkpoint



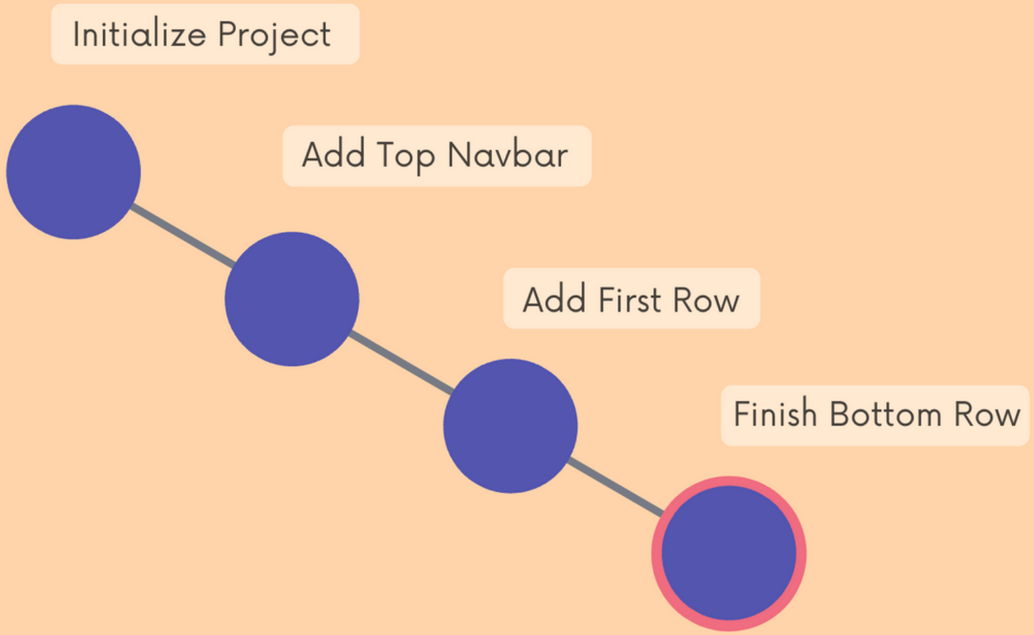


I add more content

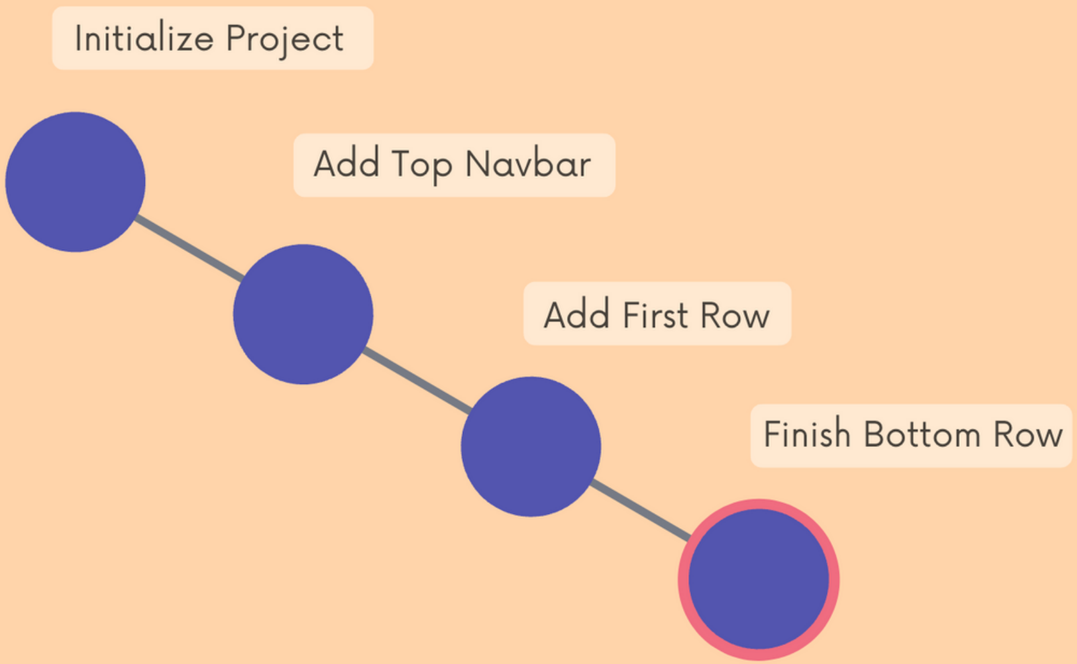


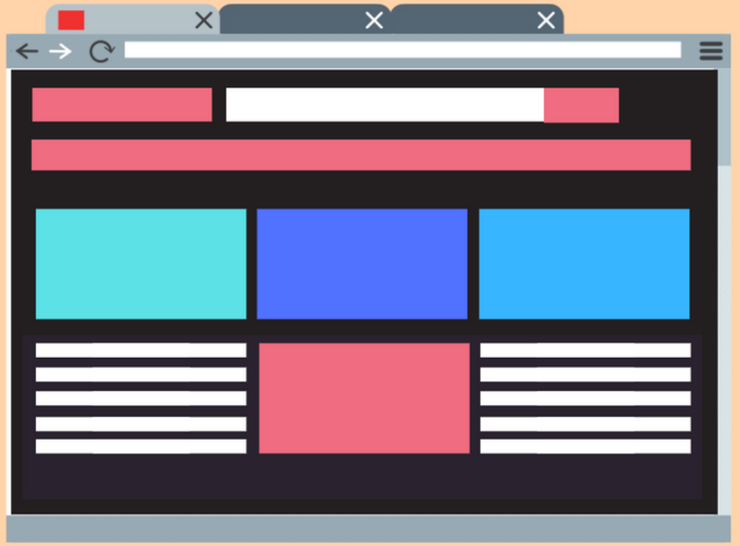


Add A Checkpoint

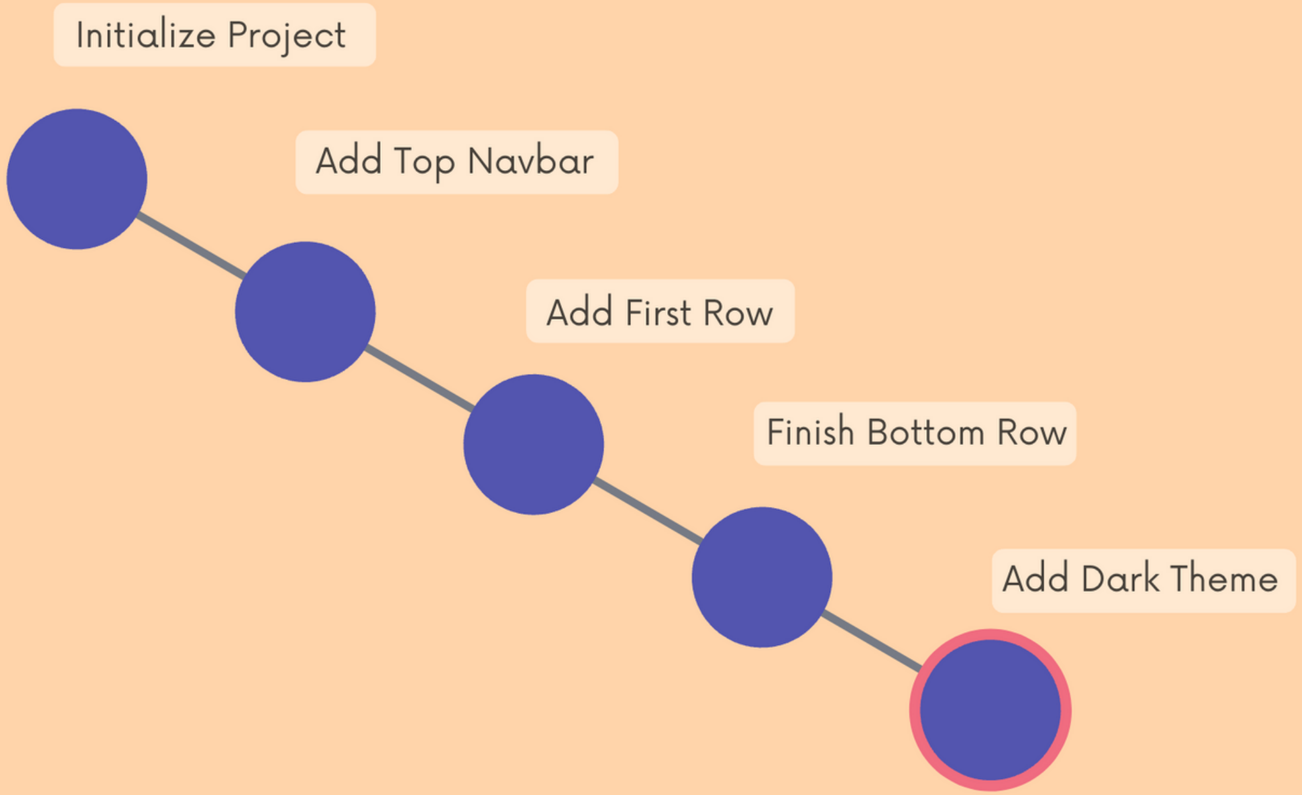


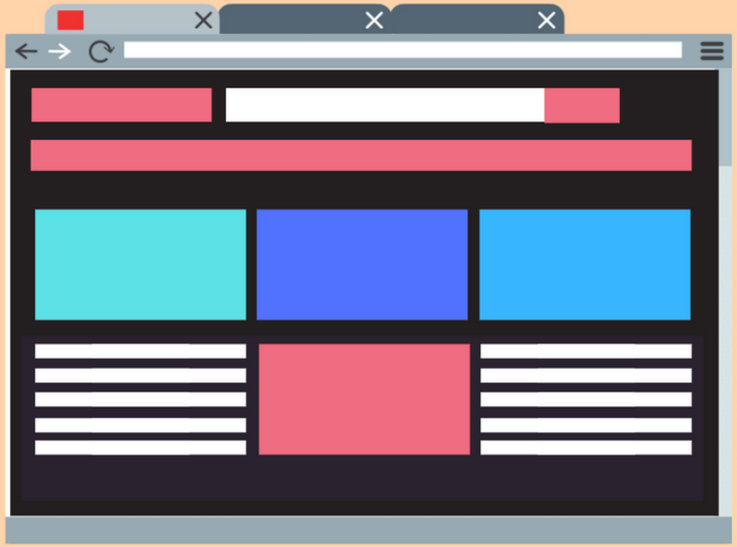
I change the theming



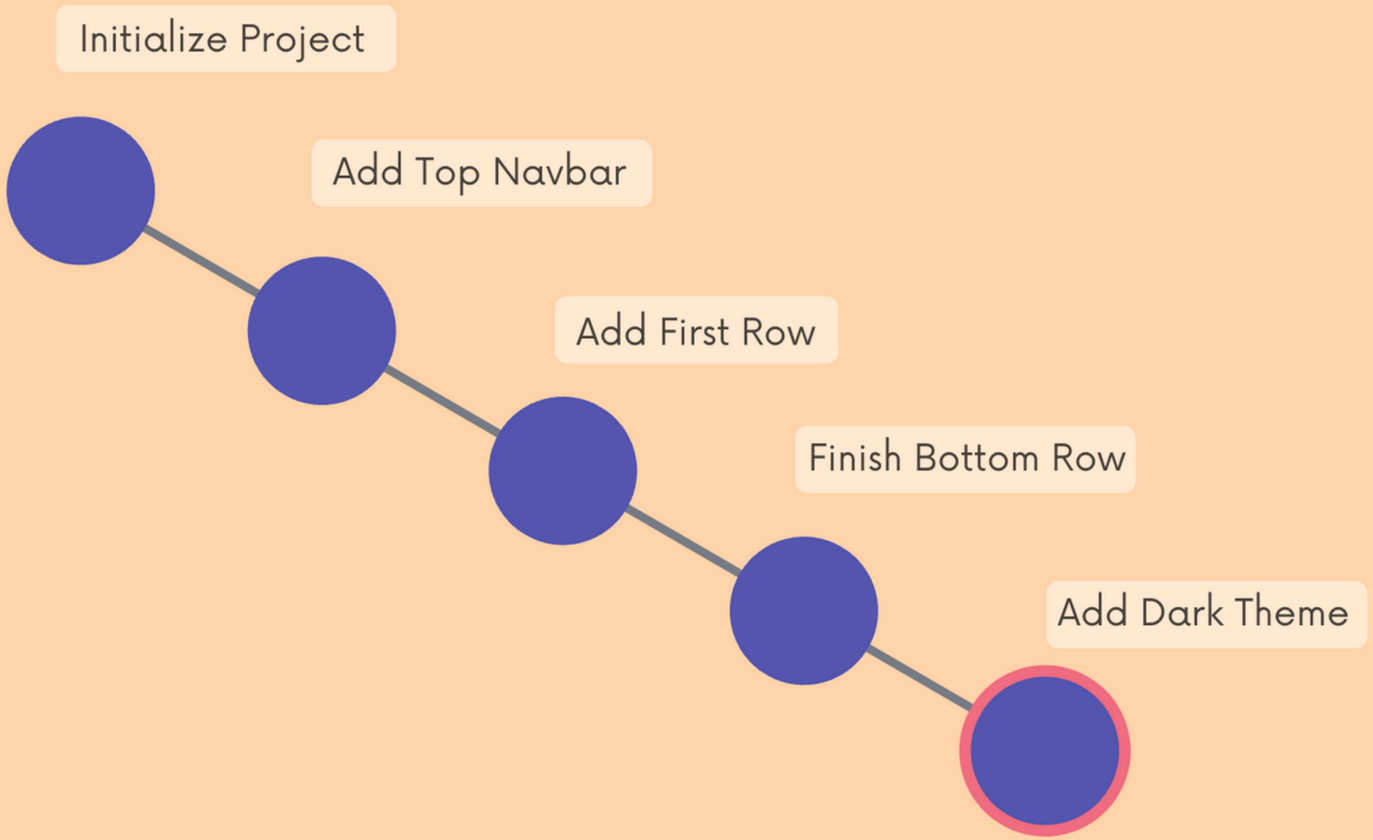


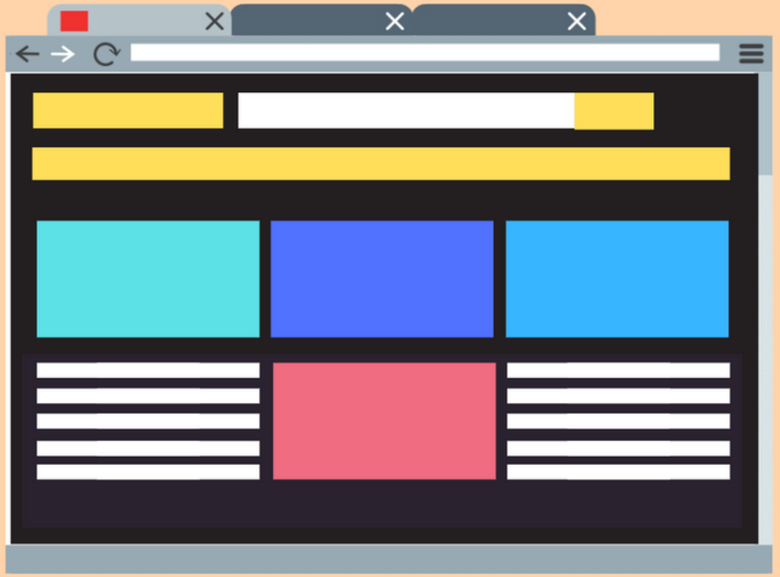
Add A Checkpoint



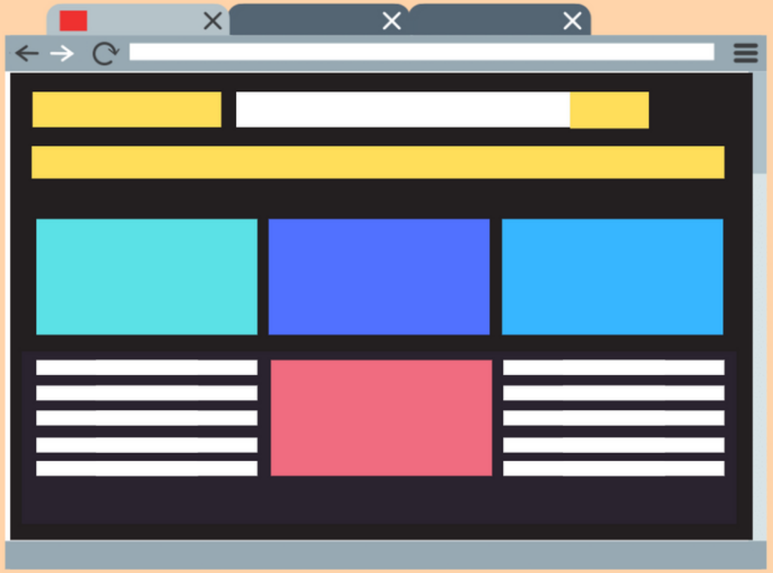


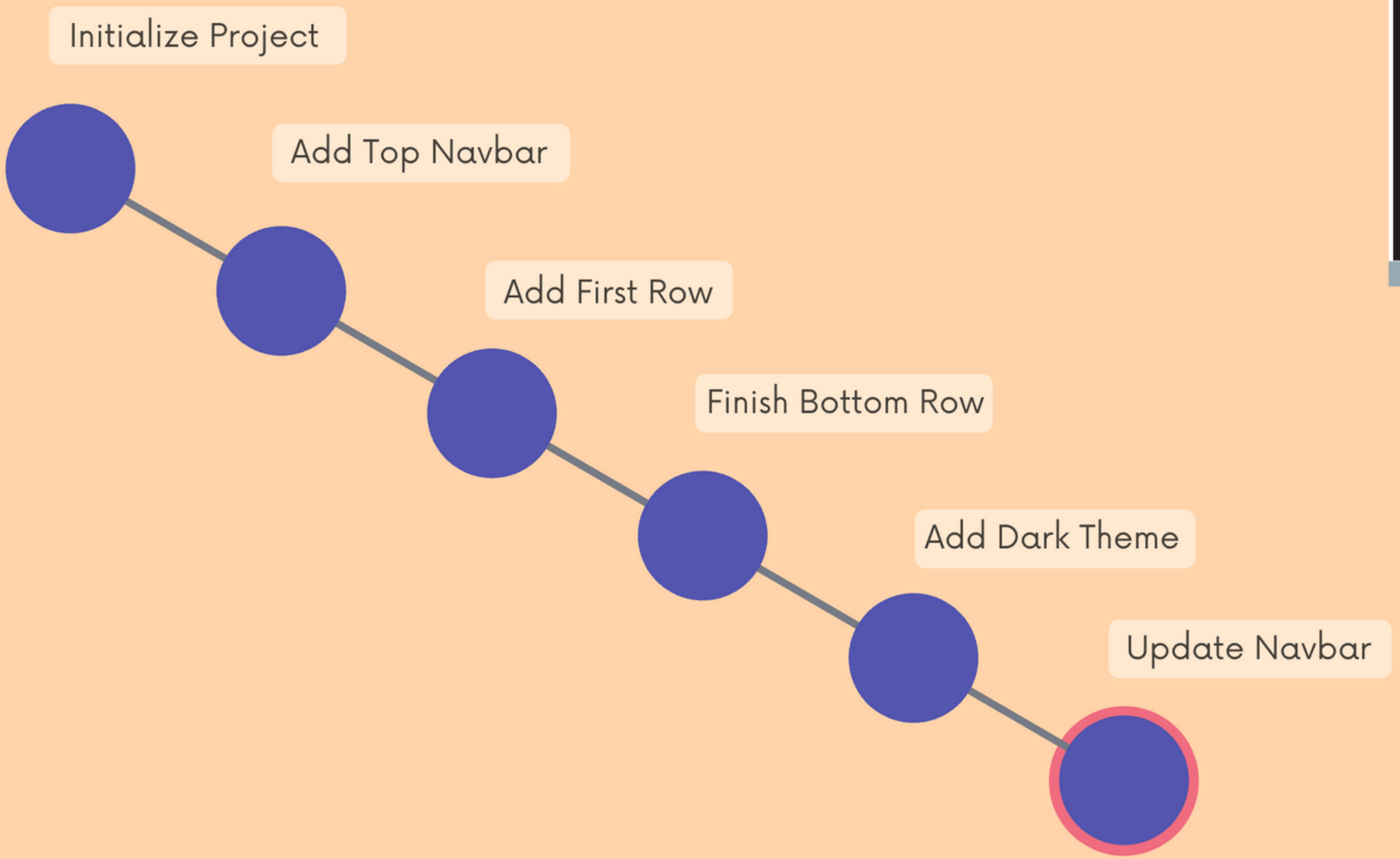
I alter the navbar





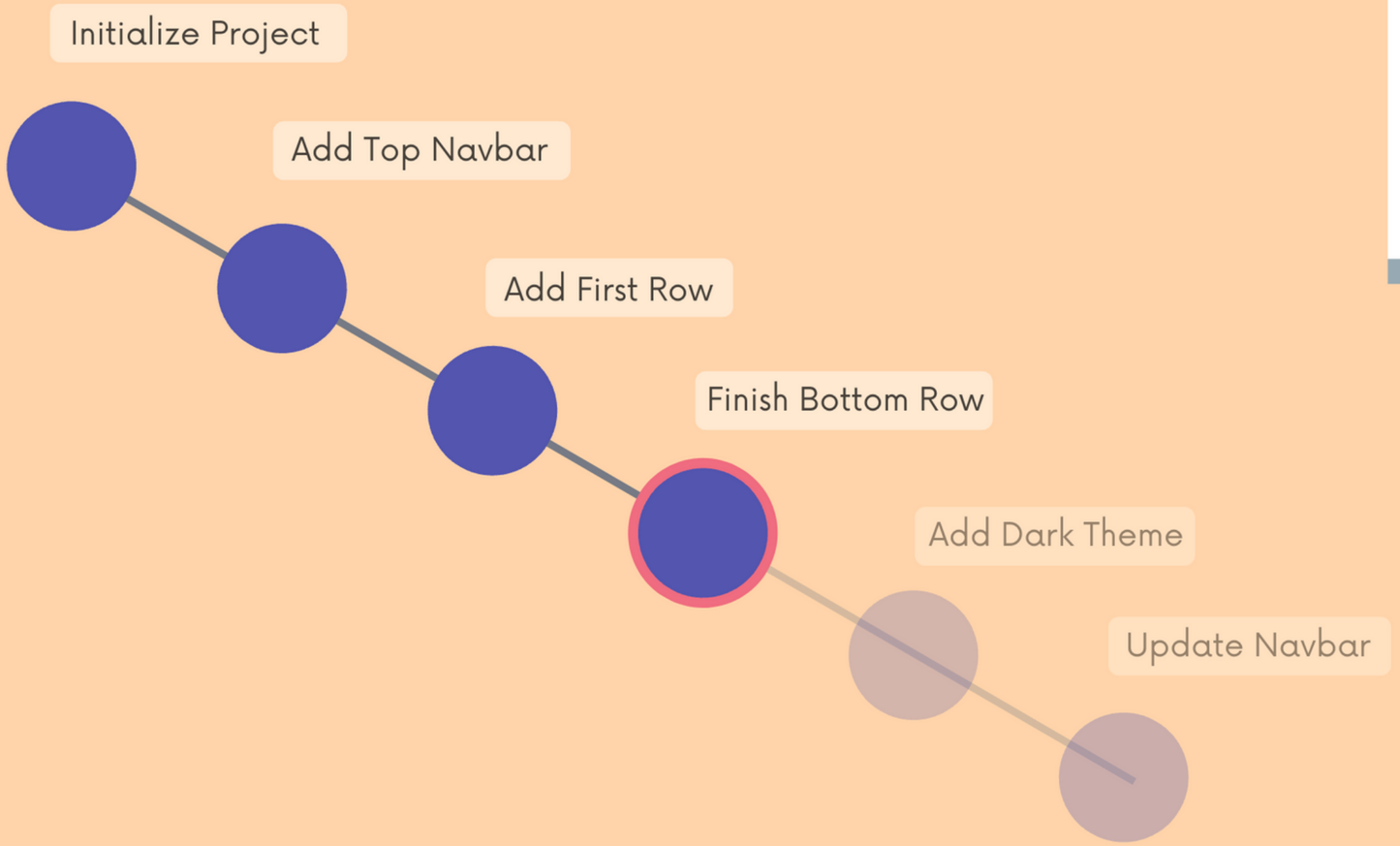
Add A Checkpoint



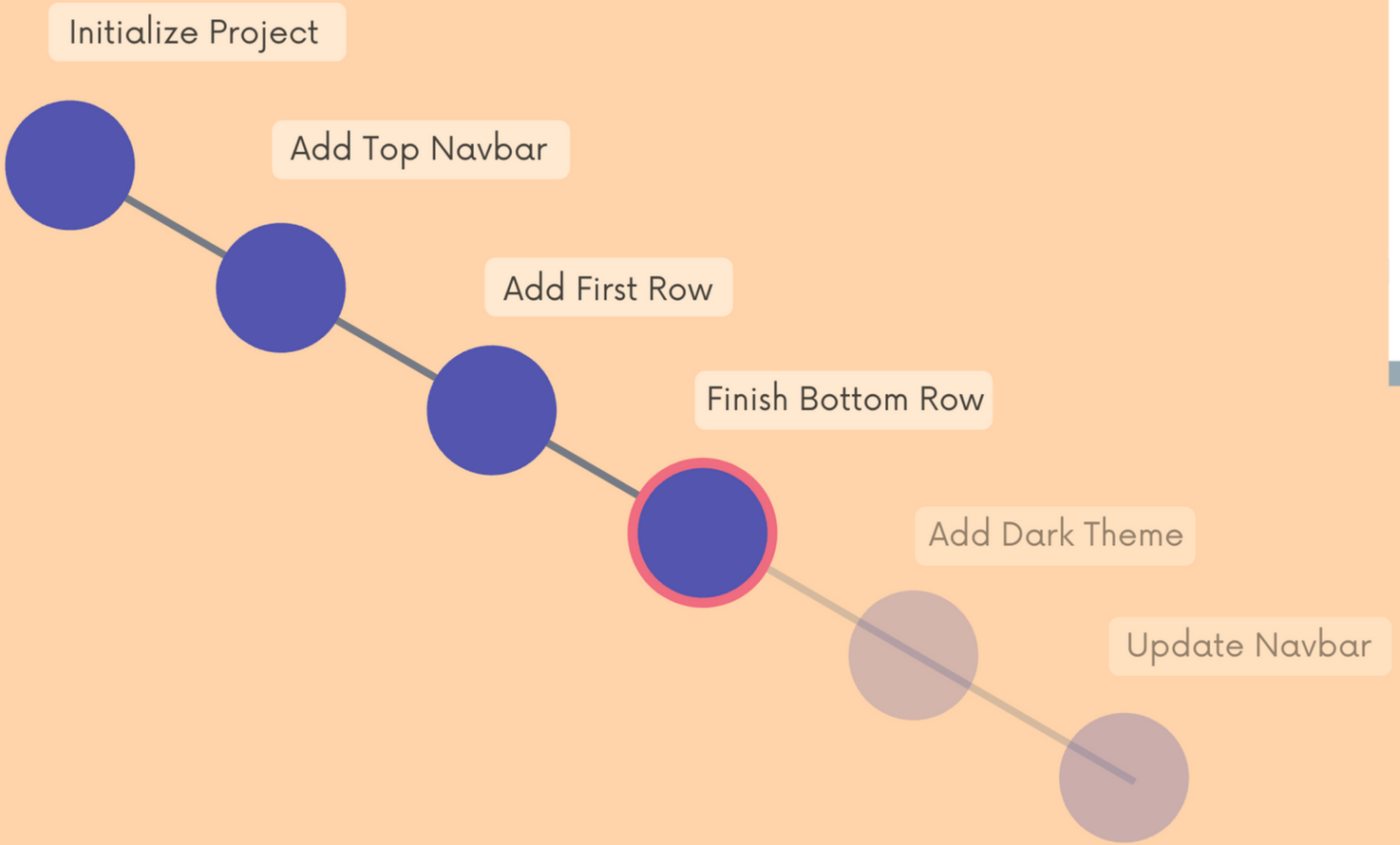


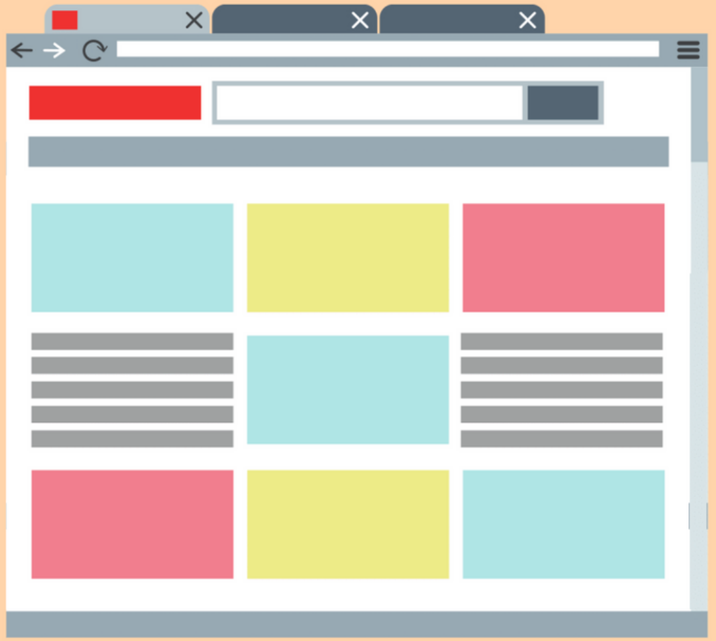
ANGRY BOSS SAYS...
THE COLORS ARE BAD!

I can go back to prior checkpoints I made!



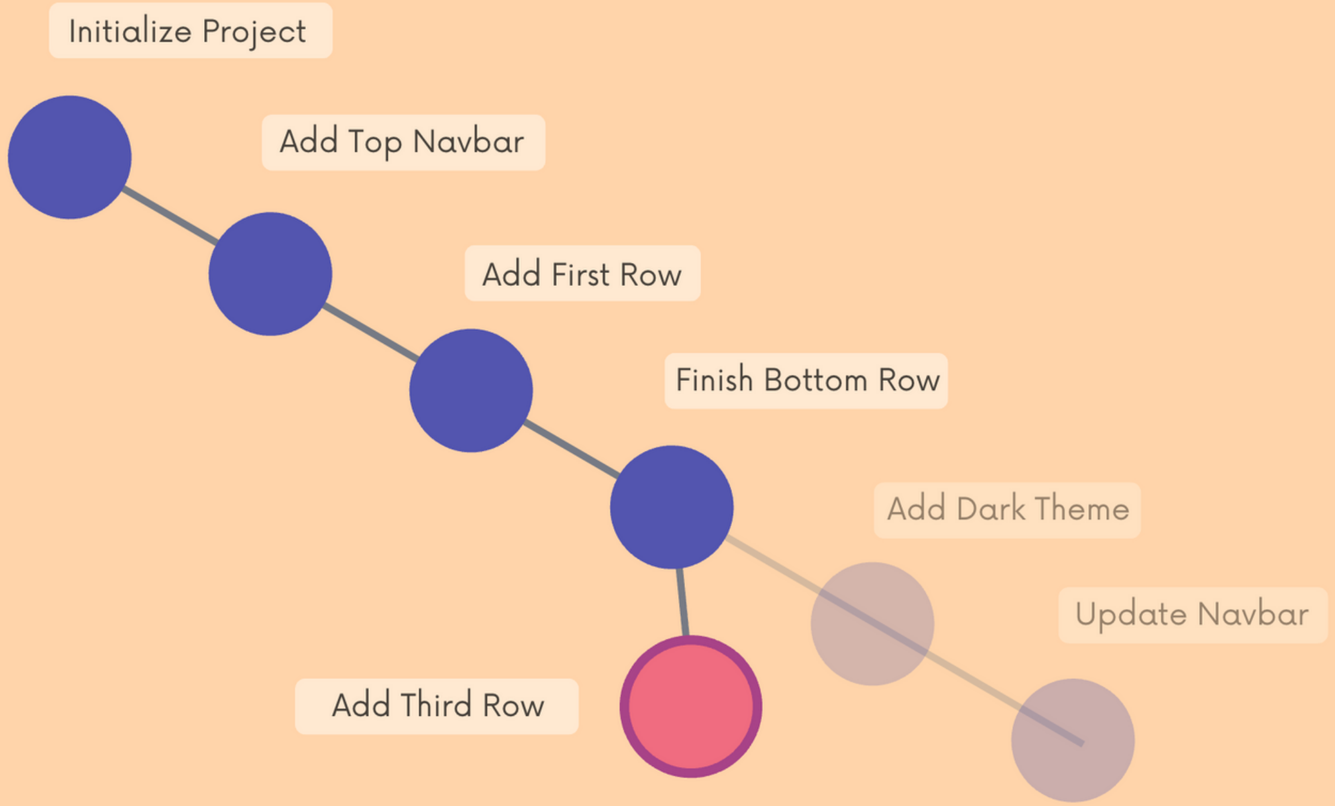
I can even start more work off of an old checkpoint

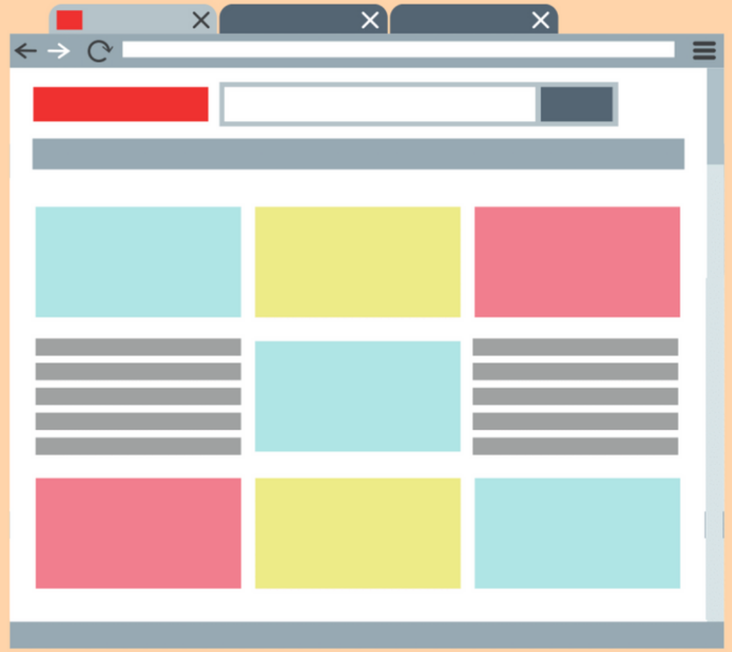




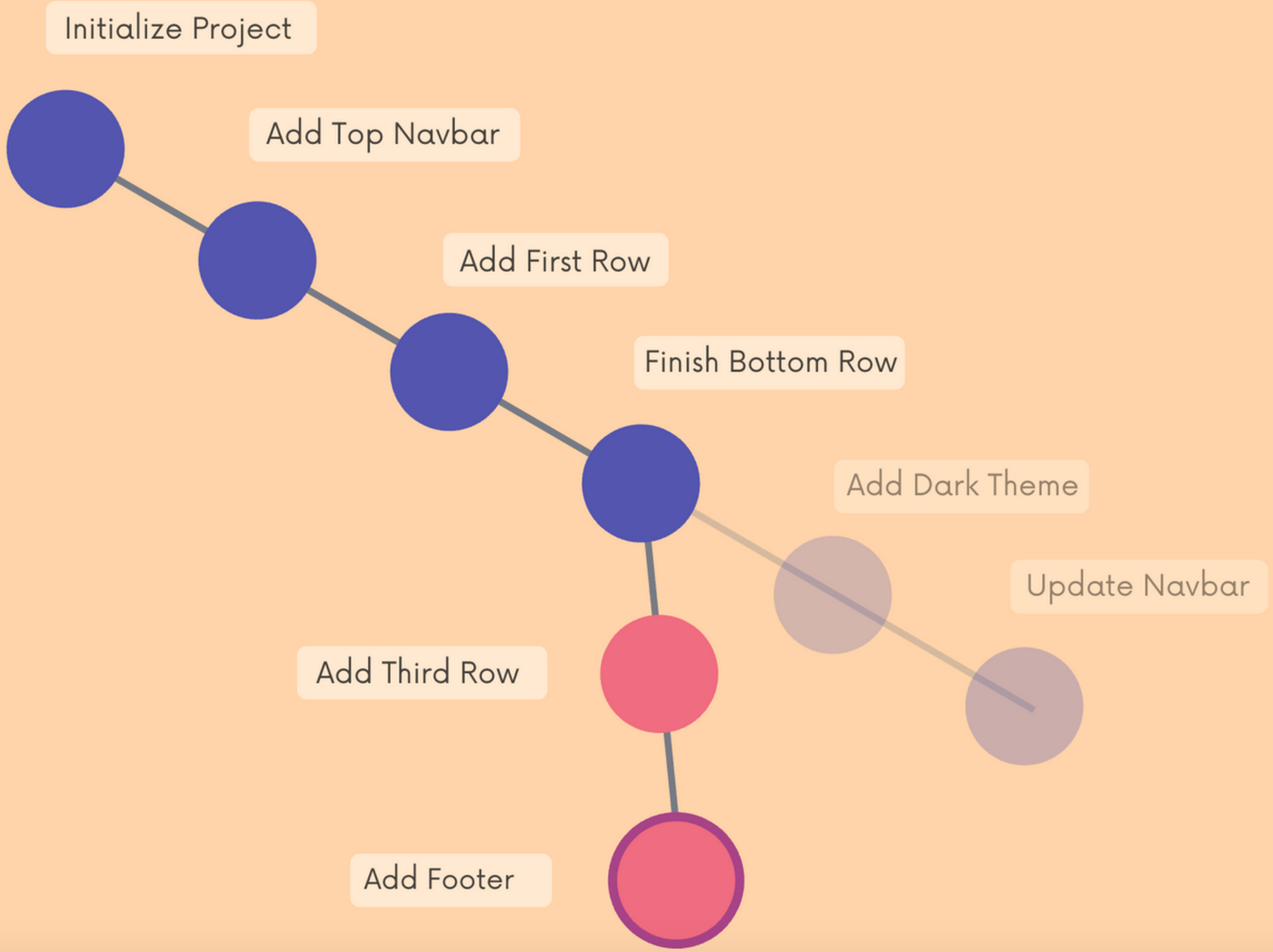
I add more content!

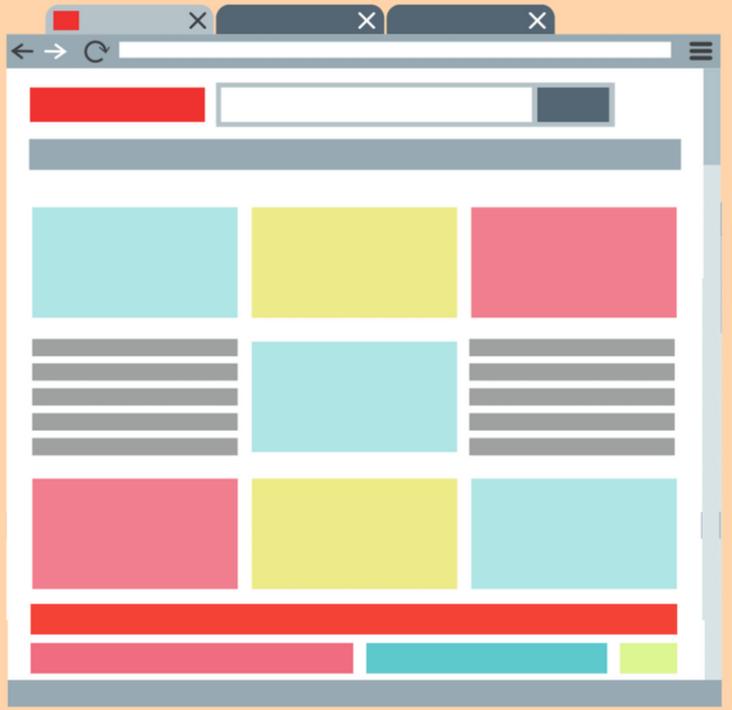
I add a new checkpoint!



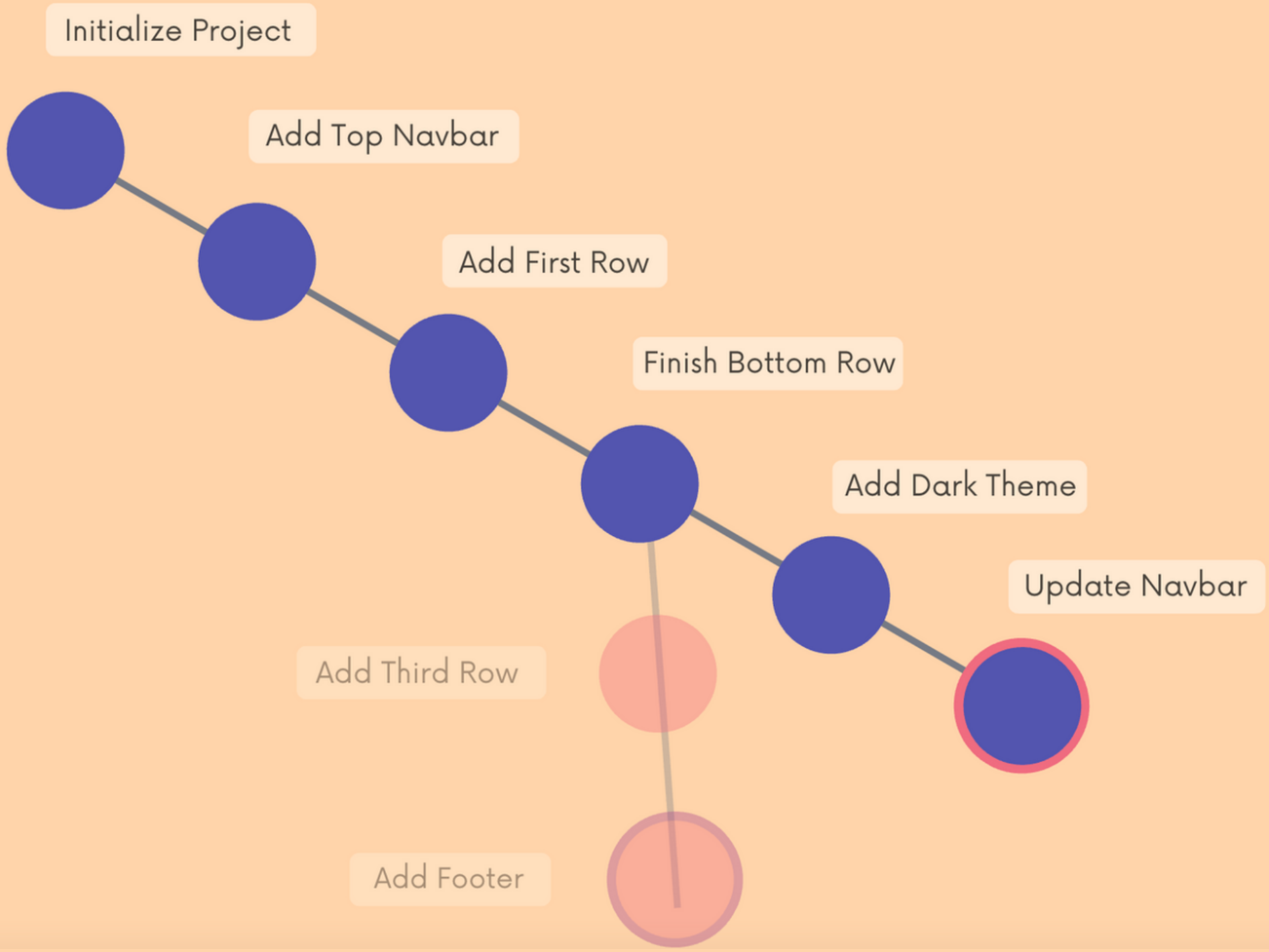


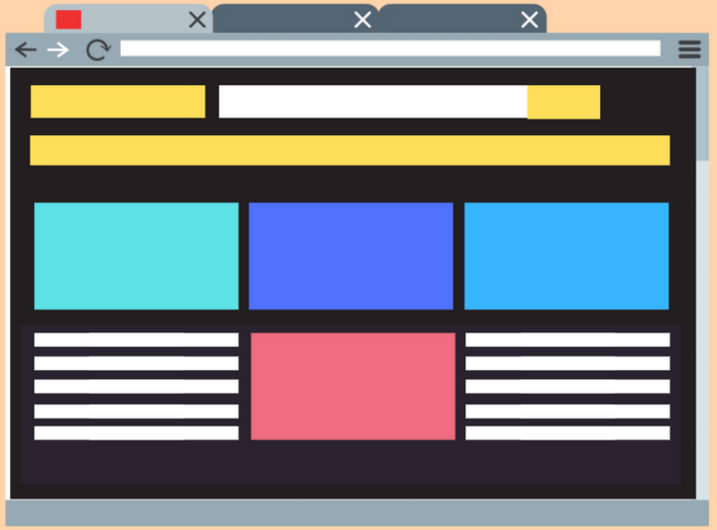
Another checkpoint!



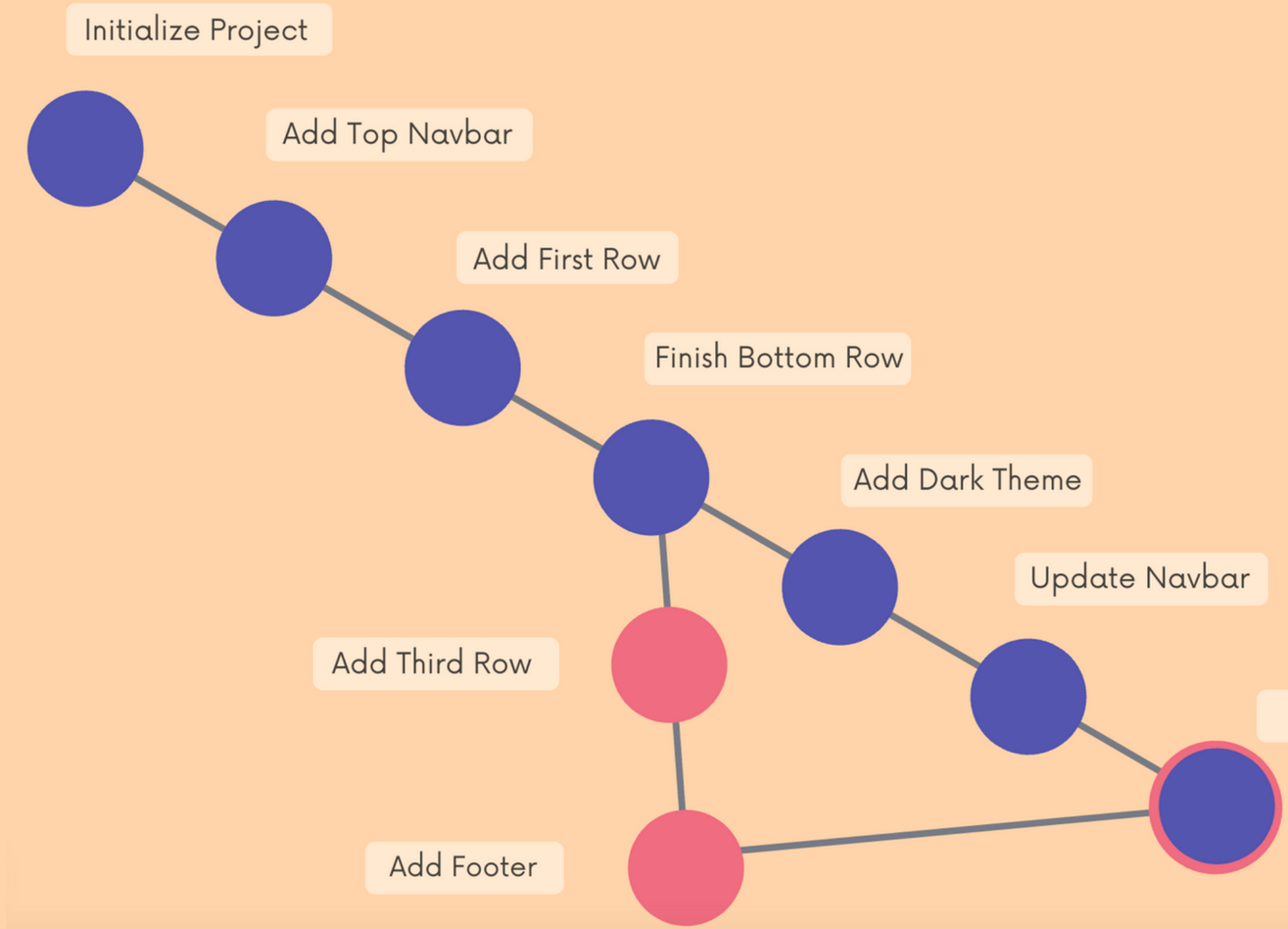


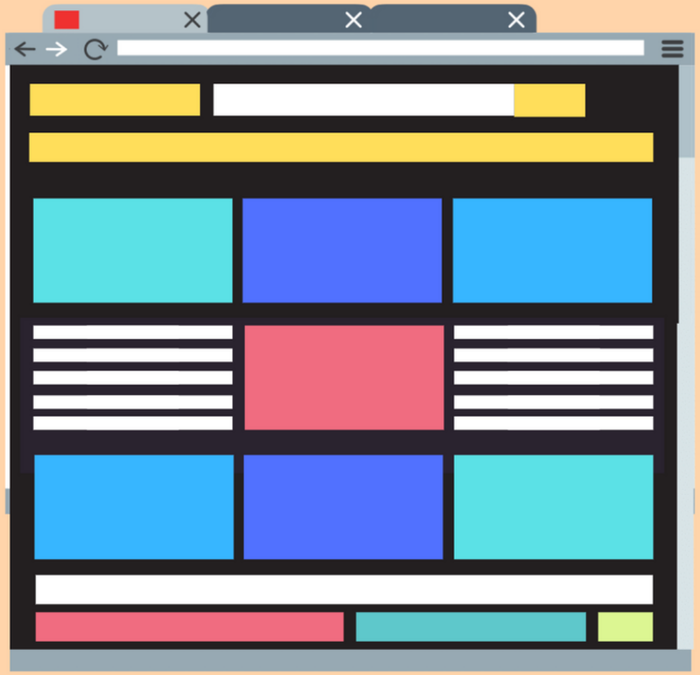
I can switch back to a dark mode checkpoint





And I can even combine checkpoints!



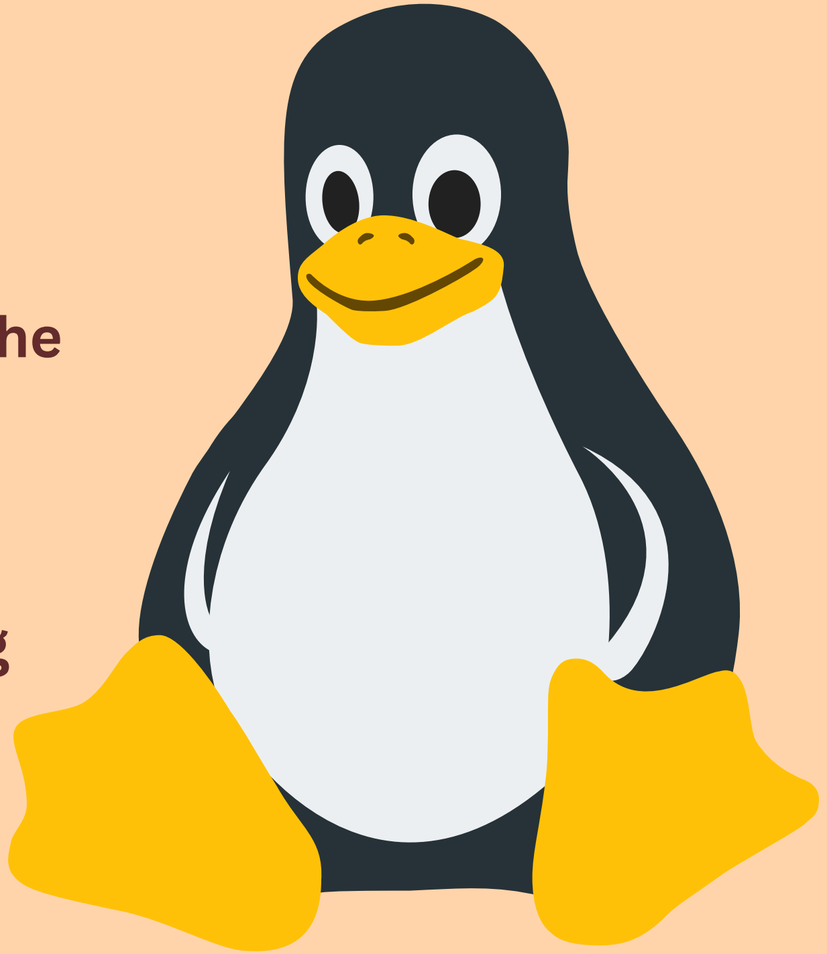


Git History

Linus Torvalds

Linus Torvalds is a legendary software engineer. He is the creator and main developer behind Linux and Git!

In 2005, while working on Linux, he became frustrated with the available version control systems. The existing tools were slow, closed-source, and usually paid.

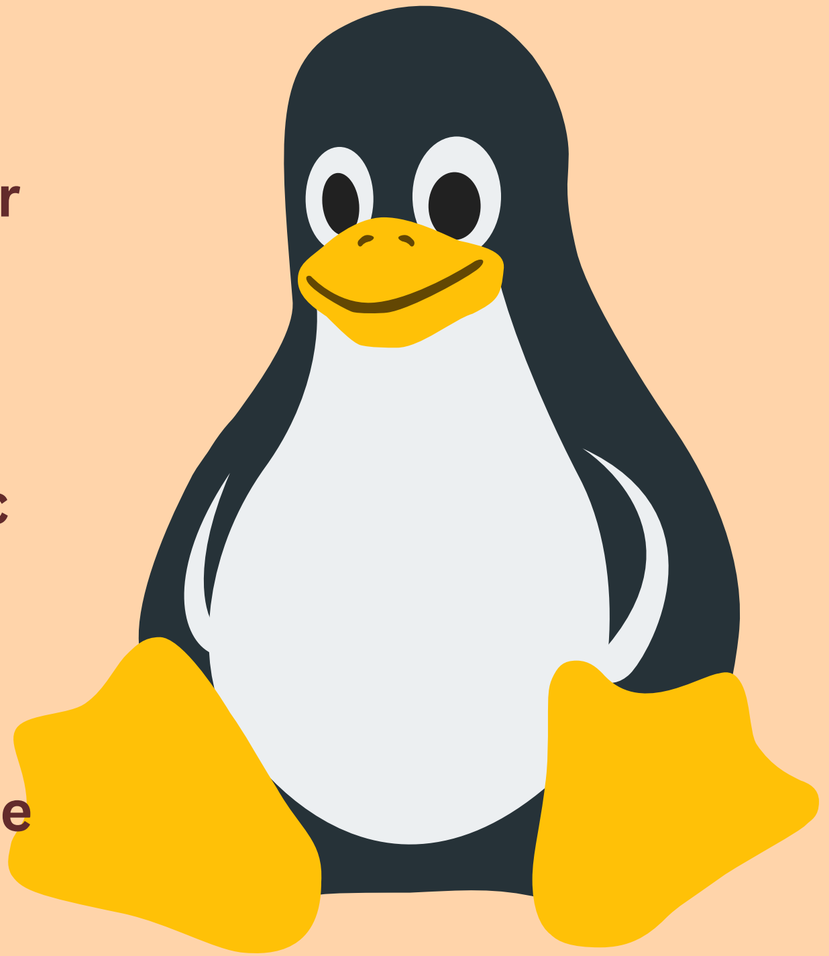


The Birth Of Git

Torvalds wanted a version control system that was super fast AND free, unlike the existing tools.

On April 3rd 2005 he got to work on his own VCS, which would become Git. In a matter of days he had most basic functionality done.

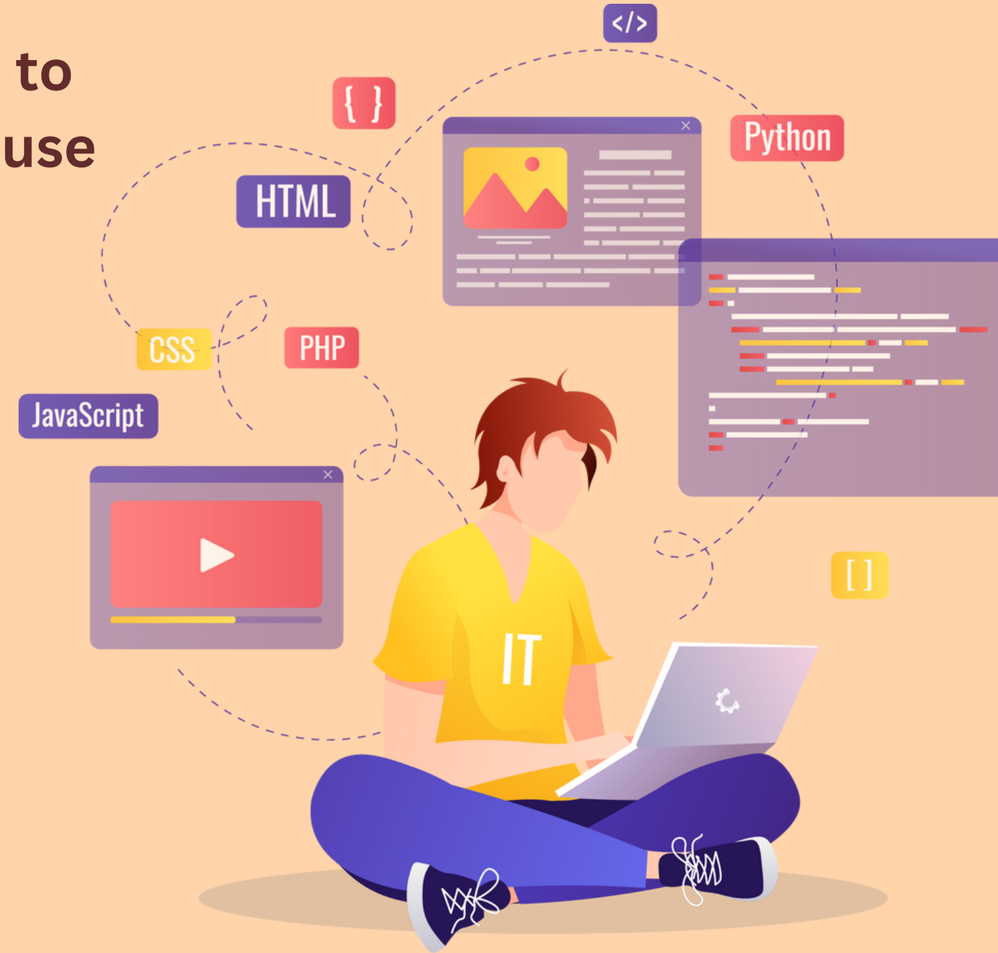
The first official Git release came a couple months later. 15 years later in 2020, over 90% of developers worldwide use Git on a daily basis!



Who Use Git?

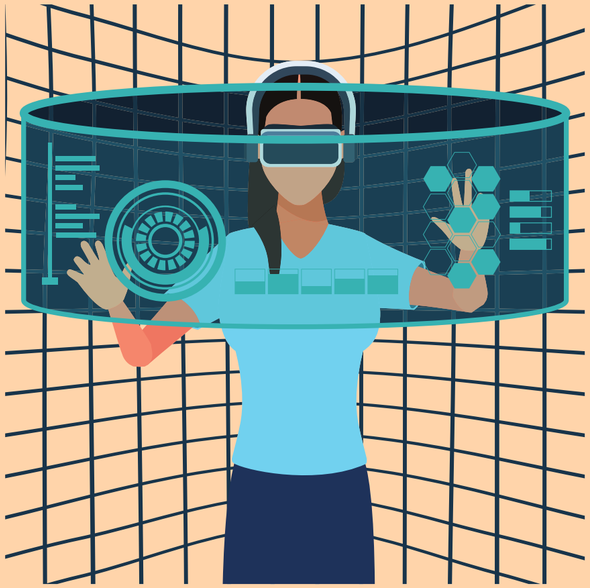
Engineers & Coders

From massive tech giants like Facebook and Google to the tiniest of startups, developers across the globe use Git. If you plan on becoming a developer, Git is essentially a must-have



Tech-Adjacent Roles

Many people in non-developer roles end up learning the basics of Git to collaborate with their coworkers. Designers in particular often need to work with Git.



Governments

In recent years, governments have started using Git to manage the drafting of laws. Washington DC City council uses Git & Github to publish its laws. Citizens have even found and fixed typos collaboratively using Git!

Scientists

Git is commonly used by research teams at universities and agencies around the world to manage code, data sets, and more.
Git + Github is especially powerful in the peer-reviewed world of science and research

Writers

Some writers love using Git to manage drafts of complex novels, screenplays, or other works with lots of moving parts and constant changes across multiple files.

In particular, Git is gaining popularity for use in collaborative textbook writing with multiple authors.

Anyone Really

People find very creative uses for Git ranging from keeping a daily diary to drafting PhD theses to tracking changes to photoshop files. At least one composer writes his symphonies using Git!

Git ≠ Github

Git

Git is the version control software that runs locally on your machine. You don't need to register for an account. You don't need the internet to use it. You can use Git without ever touching Github.

Github

Github is a service that hosts Git repositories in the cloud and makes it easier to collaborate with other people. You do need to sign up for an account to use Github. It's an online place to share work that is done using Git.