hey i'm ryan one of the co-founders at treehouse and if you've ever considered building an app or making a website you are probably wondering how does this whole world fit together you know what do I need to learn what tools do I need to use how does all fit together so the the basic premise is you have mobile apps you have websites and you have web apps and depending on what you want to build you'll learn different things so let's say that you're interested in building mobile apps you know those are things like snapchat or Instagram or games if you want to build a mobile app then you decide which type of phone or mobile device do you want to use so do you want to have it available on an iPhone and an iPad or on an Android phone or Android tablet once you decide yep I want to build an iPhone app for instance then you would learn something called iOS you need a Mac to do that and then you use a tool that's free and it's called Xcode and you make apps using a language called Objective C the way you sell those apps is in the App Store so you upload it to the App Store and then Apple okay's it or doesn't hopefully they'll hit and then it goes in the store and then you can charge real money for that and launch your app that way the next thing is if you decide well I'd rather make an Android app you know I for a Nexus phone or a Nexus tablet then you are building for Android and Android is the operating system of those devices and the tool that you use is usually something like eclipse or something new that's gonna be launched soon called Android studio the actual language that you use to build those apps is called Java so that is the basic idea of mobile apps you code in these specific languages in these specific tools and then people download your apps in the App Store and they pay for them that way now say instead you would rather build a website so you want to build a website for your restaurant or for your dad's business or for your school the tools that you use to build websites are basically a text editor and then you save your files and then you upload them to the internet the languages you need to learn are called HTML CSS and a little bit of JavaScript those are some of the easiest things to learn initially you don't have to do a lot of programming or or a lot of technical things they're fairly straightforward so that's how the bit of website now say that you want to build a website but you want to you want people to interact with it you want them to login or you want them to you know friend people or like things or create accounts all those things really turn that website into a web application you know something that you interact with and examples that are you know things like Facebook Google Maps is a good example it's something that's very interactive so if you want to build something like that first of all you pick a language to build it in and at treehouse we guide you down that path which language you should pick but your choices are things like Ruby PHP Python there's there's more but those are some of the the most common ones and then once you pick a language and you would also pick a database and a database is basically a thing that holds all the information in the site so when you create an account and a password that is stored in the database the tools that use to make web apps are also text-based so you have a text editor and then you save your files and then you upload them to the internet it's similar to making a website but you use more powerful languages to make things happen so we've covered so far our mobile apps websites and web apps now let's talk a little bit more about the types of jobs that you might get in those fields so all three of those things require three types of people the first is a designer the second is a front-end developer and the third is a developer I'll briefly talk about what each of those people do so a designer thinks about the way things look and and how they work and they use tools like Photoshop Illustrator various tools like that and they design it and they make it look great and then they hand it over to the next person which is a front-end developer and a front-end developer is someone who takes that design and then they chop it up and they translate it into code and they use tools like HTML CSS and JavaScript now what's happening more and more those designers and front-end developers are becoming the same person so at treehouse we only hire designers that are also front-end developers so eventually it really pays off to know both those skills and then you have back-end developers so front-end developer will chop up the design and make it ready but it won't actually work you can look at it but you can't actually log in or you can't actually create an account that type of thing so the back-end developer takes that and then they wire it up quote-unquote they connect it to the database they write code to make the app actually work and function they're using tools like Ruby Python PHP Java things like that so that is the basic overview of how this fits together it can be confusing at first but once you understand that there's these basic buckets you know okay I want to make an a a mobile app or I want to make a website or I want to make a web app once you decide which of those three things you want to do then you can go down a track and learn it and that's why a treehouse we make it very simple to go down a track and we tell you exactly what you need to know and in what order you need to learn it so thanks for watching hope that that clarifies this kind of confusing and overwhelming world of technology into something that is actually pretty straightforward and and we hope that you come and learn with us