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git



GIT

- **Git** is a version control system for tracking changes in computer files and coordinating work on those files among multiple people. It is primarily used for source code management in software development, but it can be used to keep track of changes in any set of files.

GIT

GIT Commands

```
git init
```

```
git clone
```

```
git add .
```

```
git commit
```

```
git pull
```

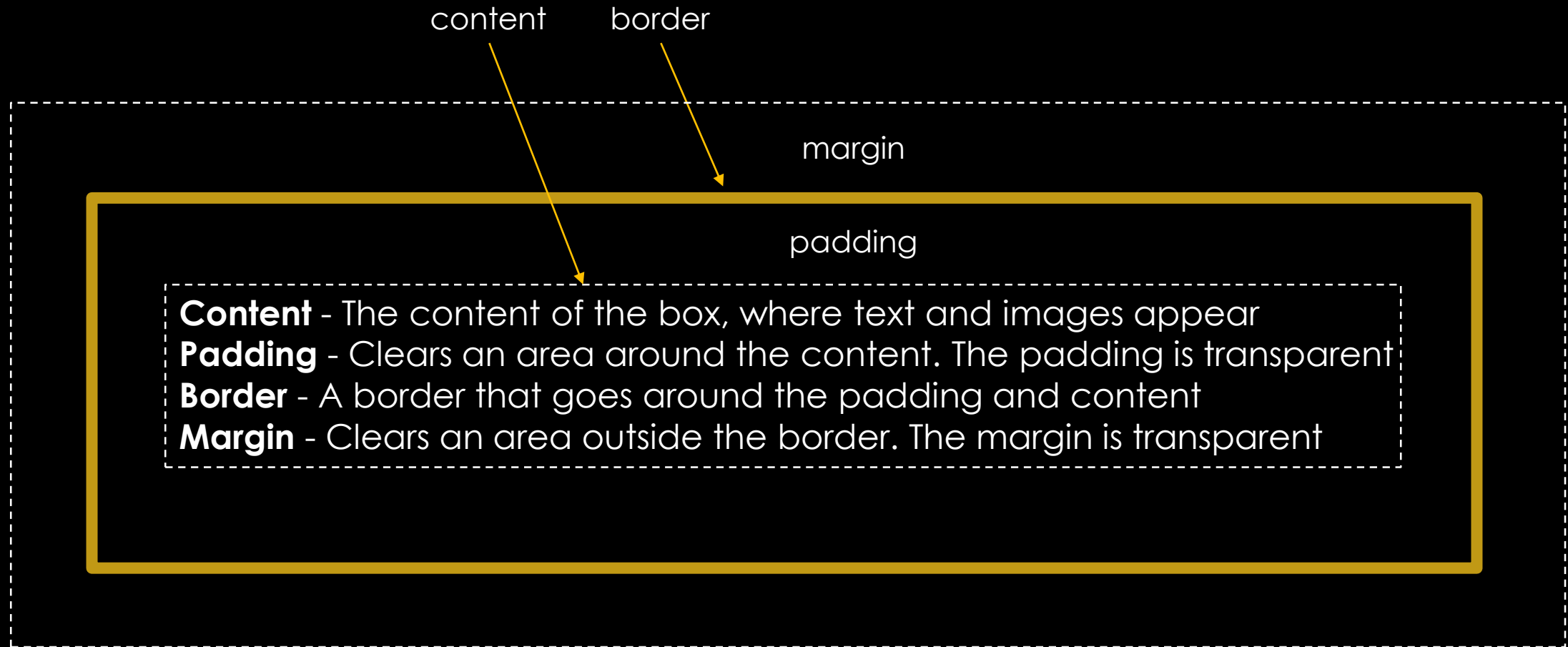
```
git push
```



VISUAL STUDIO CODE

- IntelliSense
- Debugging
- Built-in Git
- Extensions

CSS BOX MODEL





PAGE LAYOUTS

- Static
- Liquid
- Adaptive
- Responsive (Combination of Liquid and Adaptive)





RWD

- Responsive web apps use technologies like media queries and viewport to make sure that their UIs will fit any form factor: desktop, mobile, tablet, or whatever comes next.

VIEWPORTS

A typical mobile-optimized site contains something like the following:

```
<meta name="viewport" content="width=device-width,  
initial-scale=1.0, maximum-scale=1.0, user-  
scalable=no">
```

MEDIA QUERIES

- **Media Queries** are a key component of **responsive design**, which make it possible for CSS to adapt based on various parameters or device characteristics.

```
@media print { ... }
```

```
@media (min-width: 600px) and (orientation: landscape) { ... }
```

HYBRID APP DEVELOPMENT





HYBRID APP DEVELOPMENT

Top Frameworks:

- Ionic
- Apache Cordova
- Adobe Phonegap
- Microsoft Xamarin
- Mobile Angular UI
- Appcelerator
- Sencha Touch
- Kendo UI



IONIC

- Ionic Framework is a complete open-source SDK for hybrid mobile app development
- Built on top of Angular.js and Apache Cordova, Ionic provides tools and services for developing hybrid mobile apps using Web technologies like CSS, HTML5, and Sass.
- Apps can be built with these Web technologies and then distributed through native app stores to be installed on devices by leveraging Cordova.

<https://ionicframework.com>



IONIC

```
npm install -g cordova ionic  
ionic start ionicSideMenuApp sidemenu  
cd ionicSideMenuApp  
ionic serve  
ionic cordova run browser  
ionic cordova run android  
ionic cordova run ios
```