**Quiz 1**

1. An app, which is short for “application,” is a type of software that can be installed and run on a computer, tablet, smartphone, or other electronic devices. An app most frequently refers to a mobile application.

2. Native, Hybrid (Cross-platform native), progressive web app

3. Native

Pros

Full device integration

Good user experience / Fast performance

App can create to functionality of the device

Highly secure

Cons

Run only one platform

Costs is high to develop and maintenance

Developing speed low

Hybrid (Cross-platform native)

Pros

Lower requirements

Price low

Developing speed fast

One code base for multiple platform

Easy to maintain

Cons

Low secure

App can’t create to functionality of the device

Performance low

Progressive web app

Pros

Lower requirements

Price low

Faster to market

Can use offline

Cons

Can’t use app store

Performance low

Can’t do everything

4. Hybrid (Cross-platform native)

Lower Requirements

Cheaper price

Faster speed to market

One code base for multiple platforms

Easy to maintain

5. Development costs

Time to Market

Maintaining costs

Performance

Availability

Security

Hiring

UX

6. Facebook Hybrid (Cross-platform native)

7. YouTube

* Users can search for and watch videos
* Create a personal YouTube channel
* Upload videos to your channel
* Like/Comment/share other YouTube videos
* Users can subscribe/follow other YouTube channels and users
* Create playlists to organize videos and group videos together
* Preview the video.

**Bob**

1. Progressive web app
2. Bob has to create this app for his brother for his personal use. Johnny needs simple website like app, and he need it very quickly. Not many hardcore features
3. Advantages

Can use in offline mode

Lower requirements

Price low

Disadvantages

Can’t use app store

Performance low

Can’t do everything

**John**

1. Native
2. This app has to be created to functionality of the device. This application has to be very high performance because there is high processing work in the background and needs to be updated real time to get the correct symptoms. And app must highly secure and good user experience. Development cost and maintenance cost will high. Need many hardcore features.
3. Advantages

Full device integration

Good user experience / Fast performance

App can create to functionality of the device

Highly secure

Disadvantages

Run only one platform

Costs is high to develop and maintenance

Developing speed low

**Quiz 2**

1. First Project Manager Ricky create the GitHub repo. Then John clone the GitHub repo his computer and he will work on login feature and then he will commit and push his work to the repo.
2. Bill first clone same repo to his computer, and he will work on password recovery feature. And then he will pull updates from GitHub repo and update his code. After that he will commit and push his work to the repo.
3. It makes working in a team much easier

Keeps track of all changes we make to our code in a project.

Code without distractions.

Go back to a previous version (revert changes)

Integrate code of multiple developers easily.

Know who did what, when.