**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, Progressive web app

3. Native

Pros

Full device integration

Highly secure

Good user experience / Fast performance

App can create to functionality of the device

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. Facebook

* Users can react for contents.
* Also we can create a pages and groups.
* Live streaming.
* Share the contents.
* Users can follow other pages.
* Attractive UX.
* Advertising for business.

**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

Low cost

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

Highly secure

Good user experience / Fast performance

App can create to functionality of the device

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

Code without distractions.

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

Go back to a previous version (revert changes)

Integrate code of multiple developers easily.

Know who did what, when.