MOBILE APPLICATION DEVELOPMENT INTRODUCTION



Outline

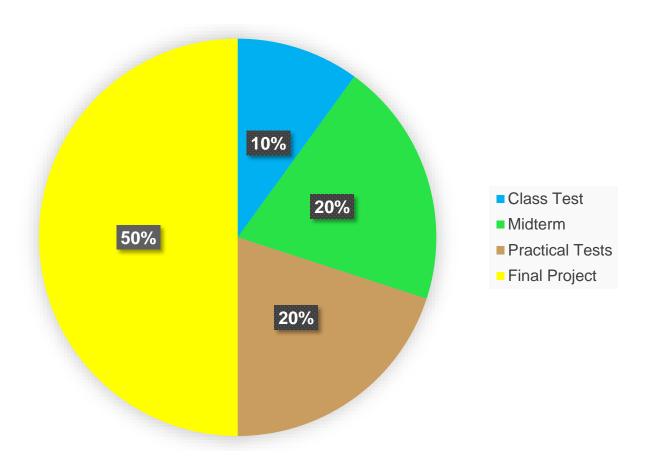
- Contact Info
- Marks Distribution
- Mobile Application Development Steps
- Types of Mobile App Development
- IDE & Related Software

Contact Info

- Name: Trần Hồng Nghi
- Email: nghith@uit.edu.vn
 - Subject:
 - [Class ID Your ID Your Name Problem]
 - Example:

[NT118.L11 – 18520999 – David – IDE installation issue]

Marks distribution

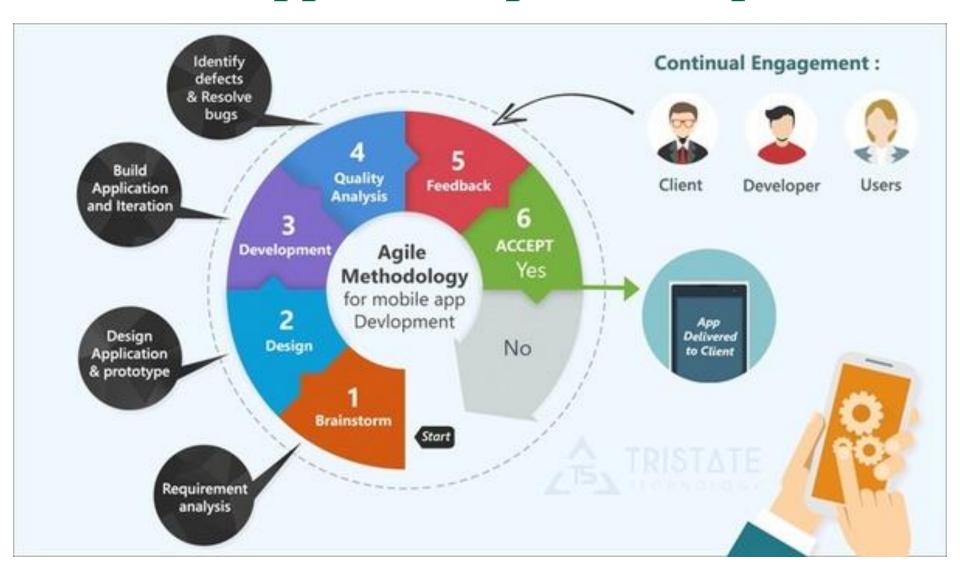


- Class Test (10%)
 - QUIZ
 - Homework(Related to your weekly content)

- Midterm (20%)
 - Paper-based exam
 - Held in 9th-10th week (first or second week of October 2020)
 - 60 minutes

- Practical Tests (20%)
 - Including 5-6 Exercises
 - Tutor:
 - Lê Minh Khánh Hội (<u>hoilmk@uit.edu.vn</u>) –
 NT118.L12.MMCL
 - Trần Hồng Nghi (<u>nghith@uit.edu.vn</u>) –
 NT118.L11.MMCL

- Final Project (50%)
 - □ UI/UX (10%)
 - App functions (20%)
 - Presentation (10%)
 - Documentations (10%)

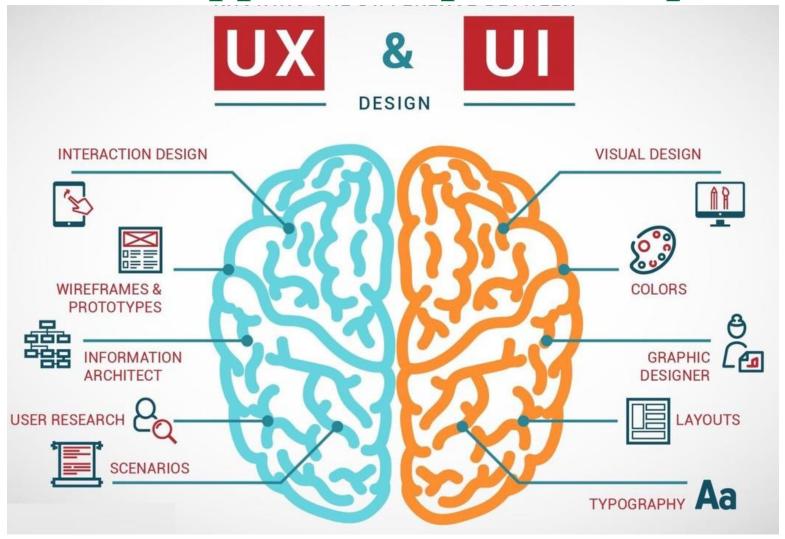




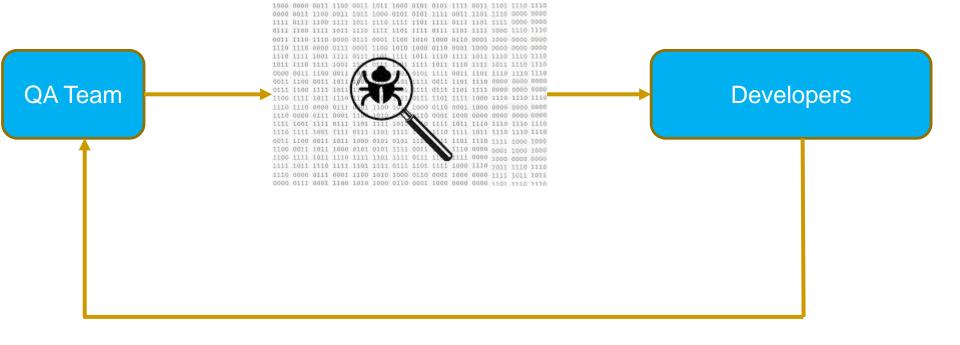
IDEA

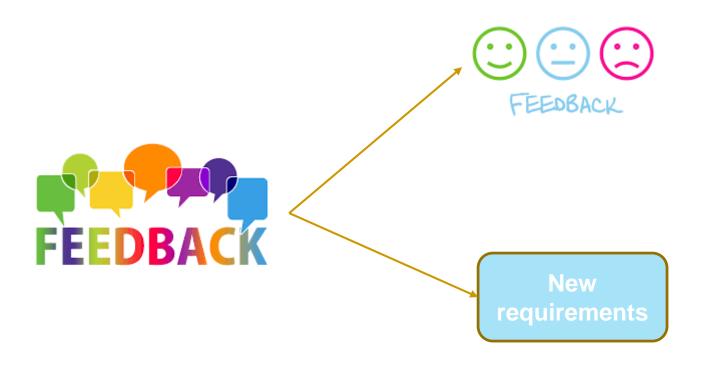
DISCUSS IDEA
OFFER FEEDBACK
AND SUGGESTIONS

LOCK FINAL APP REQUIREMENTS



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 Ravigator.kt
                                                                                           5:20 🗂 🕲 🕲
            private fun showMovies(context: Context) = context.startActivity(MoviesActivity)
            fun showMovieDetails(activity: FragmentActivity, movie: MovieView, navigatid
                val intent = MovieDetailsActivity.callingIntent(activity, movie)
                val sharedView = navigationExtras.transitionSharedElement as ImageView
                val activityOptions = ActivityOptionsCompat
                        .makeSceneTransitionAnimation(activity, sharedView, sharedView.)
                activity.startActivity(intent, activityOptions.toBundle())
            private val VIDEO URL HTTP = "http://www.youtube.com/watch?v="
            private val VIDEO URL HTTPS = "https://www.youtube.com/watch?v="
            fun openVideo(context: Context, videoUrl: String) {
                try {
                    context.startActivity(createYoutubeIntent(videoUrl))
                } catch (ex: ActivityNotFoundException) {
                    context.startActivity(Intent(Intent.ACTION_VIEW, Uri.parse(videoUrl)
            private fun createYoutubeIntent(videoUrl: String): Intent {
                                                                                              BLACK ROCK
                val videoId = when {
                    videoUrl.startsWith(VIDEO_URL_HTTP) -> videoUrl.replace(VIDEO_URL_HT
                    videoUrl.startsWith(VIDEO URL HTTPS) -> videoUrl.replace(VIDEO URL HTTPS)
                    else -> videoUrl
                val intent = Intent(Intent.ACTION_VIEW, Uri.parse( uriString: "vnd.youtube
                intent.putExtra( name: "force fullscreen", value: true)
                if (android.os.Build.VERSION.SDK INT <= android.os.Build.VERSION CODES.A</pre>
                    intent.addFlags(Intent.FLAG_ACTIVITY_NEW_TASK)
              Install successfully finished in 13 s 546 ms.
```









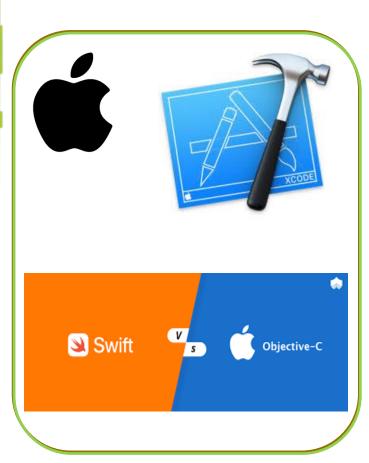


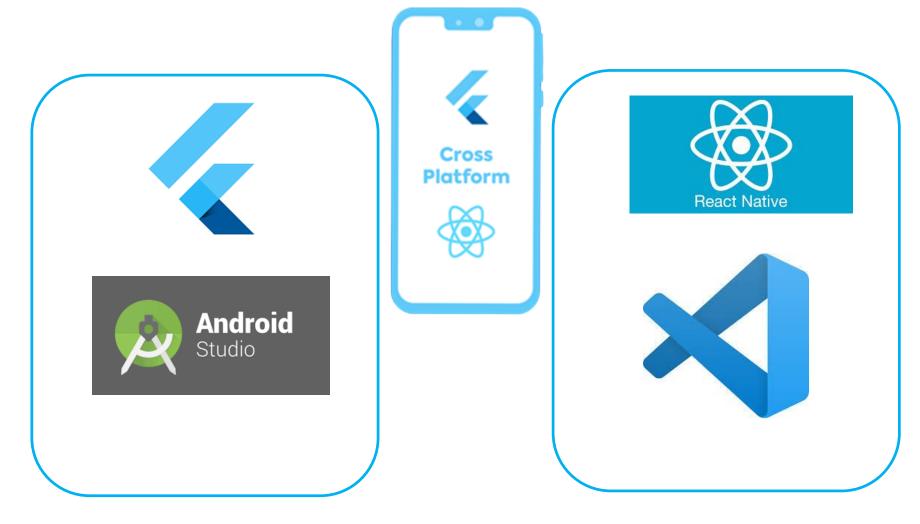






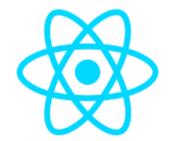














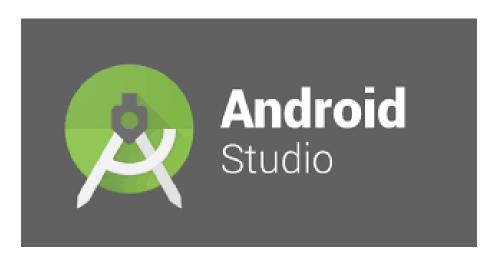
PROGRESSIVE WEB APP



WHAT DO WE LEARN?



IDE & Related Software









Homework

- Explain the pros and cons between Native, Cross-platform and PWA Approaches?
- Install IDE & Related Software
- Try a "Hello world" App in Android studio.

