Mobile Apps Development (503074)

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COURSE OBJECTIVES

- Provide students the overview of programming on mobile devices in general.
- Provide students the in-depth knowledge about programming on Android mobile operating system.
- Students can apply the learned knowledge to build the applications that can run on the Android mobile phones.

COURSE OUTLINE

- Introduction
- Android lifecycle
- GUI
  - ✓Simple widgets: EditText, Button, TextView, Toast, ...
  - ✓Layouts
  - ✓List-based widgets
  - ✓Complex widgets: Fragments, Tab, Menus, ...
- Data interaction:
  - ✓Data Persistence
  - ✓SQLite
  - ✓Files
  - ✓Web Service
- Intent
- ContentProvider

COURSE OUTLINE

- Thread, AsyncTask
- Service
- BroadcastReceiver
- Networking, webservice
- Notifications
- Location Service
- Google map
- Seminar

BOOKS & REFERENCES

- Main book:
  - ✓Beginning Android Application Development (Wei-Meng Lee).
- Additional books:
  - ✓Android Application Development: Programming With The Google SDK, O'Reilly Media, Inc
  - ✓Professional Android Application Development (Wrox Programmer to Programmer), Wrox

BOOKS & REFERENCES

- Website android developer:
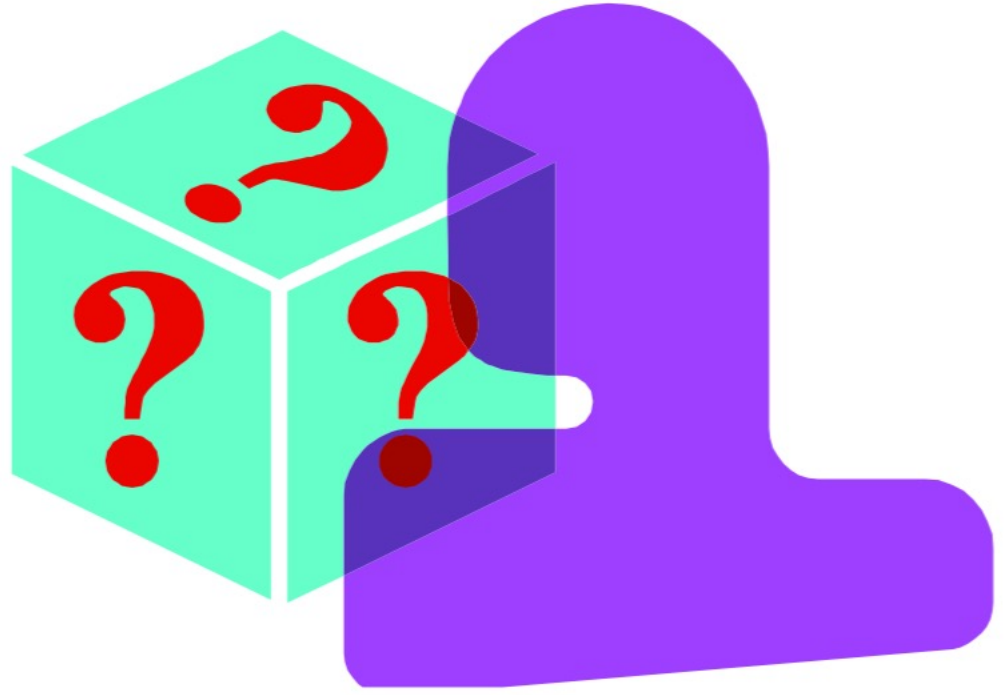 - ✓ http://developer.android.com/index.html

Grades

- Progress I: **10%**
  - ✓ Attendance + Quiz + Test
- Progress II: **20%**
  - ✓ Attendance + Labs + Test
- Midterm exam: Essay (**20%**)
  - ✓ Work in group
- Final exam: Report (**50%**)
  - ✓ Work in group

Regulations

- Follow the general rules/regulations of the Faculty & TDT University

- No essay/report submission

- Absent > 20% the lessons

Thanks for being here

Questions?