

CSIS 3175 Project

CSIS 3175 Group Project

- **Goal:** In groups of 3 (2 if really needed), create an android application that will employ and significantly extend the concepts learned in class
 - Pick your own group
 - If you are unable to find a group, I will put you in groups with students who are also in a similar situation
- **All group project emails to me should have ALL members of the group CCed on it** – however minor you think the question is, everyone should be cc on it

CSIS 3175 Group Project

- **Oct 7th (earlier the better):** Project Idea (Email Priya)
 - Names of each student in the group (and the ids)
 - Basic idea of the app
 - Group # will be assigned to you in class Oct 8th
 - Please Note: drop date may change group composition
- **Oct 17th:** Share your repo on github with me – repo name on github will be F21G#_appname (e.g., F21G2_BuyIt if you are group 2 and your app is called BuyIt)
- **Nov 30th:** Project Report due along with link to **Video Presentation**; Final project (source code) also should be shared on github
- **Dec 3rd:** In-class demo and defense

Project idea

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- Any project app idea as long as it meets these needs
 - At least 4 different activities
 - Takes User Input
 - Uses Data Storage with SQLite Database
 - Some useful computations or processing on the stored data and/or user input
 - Professional GUI with the effect use of images, layouts, texts etc. in addition to user input elements
 - END TO END working with no errors is a must
 - Must Extend (go beyond) what was done in class
 - Any additional features you want to implement to make your project stand out
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Project idea - sample

- Sample idea: You can use this if you like but also do your own app if you prefer that
- Financial Management App
 - Profile Information
 - Adding transactions with date, amount, description, category etc.
 - Adding new categories.
 - Transaction summaries: Some form of report showing transactions by category, total monthly expense, or summary by date.
 - Any additional feature you would like to add to make your project stand out

Project Report Guidelines

- First Page in the Report:
 - Name of the app, App Description
 - Group Number, Group Members Full Names
 - Link to Video Presentation: 8 Min Video
 - Individual member contribution – what each of you did and percentage towards group project (must total to 100% in all giving percentage for each person)

Project Report Guidelines

- Video Presentation (clickable link should be given in report): 8 Min Video
 - Video must detail group number, app name, app demo highlighting interesting, important features, specific technical extensions implemented
 - Everyone must participate in the video presentation
- Percentage contribution (should be in report)
 - A three member project can have 33.3% each or
 - Student 1 – 25%, Student 2 – 35%, Student 3 – 40%

Project Report Guidelines

- Content Sections for the report:
 - App name and descriptions
 - Motivation of the app (why is it useful)
 - Feature specifications
 - Technical concepts implemented
 - Technical Extensions (beyond what is done in class)
 - Screenshots of every screen along with explanation for each of those screenshots
 - New concepts or insights learned (beyond what was done in class)

Project on Blackboard

- All project collaboration and source code maintenance should be done using github/Android Studio
- You will add me to your repository once the repository is created:
 - Deadline by Oct 17, I should be added to your group project on github
 - GitHub Repo Name – F21G#_AppName

Video Presentation

- Video Presentation: 8 minute video giving
 - Group number
 - App Name
 - Demo of only interesting features
 - Highlighting technical extensions
 - **Everyone in the group must participate in the video presentation**
 - Video can be uploaded anywhere – youtube, google drive, one drive etc.
 - Clickable link to the video must be put on the first page of the group project report

In-class demo and defense

- You will give a 5 minute demo of your application
- Be ready to explain your contribution and programming logic
- Answer questions Priya may pose during your demo/defense
 - Each student must be able to answer questions regarding the project
 - And more specific code-level questions on their own contributions

Grading Criteria for Project

- Clear, professional UI – 3 points
- Coding – working features, complexity of design, logical and syntax error free execution – 20 points
- Research: Extending or implementing new features not discussed in class – 7 points
- Report & project file submission: 10 points
- Presentation/Demo/Defense: 10 points
 - Each student will be graded based on group engagement, work done for the project and defense of the project