

CmpSci 491IP iOS Programming Seminar
Semester Homework Assignments and Schedule

Homework 1 9/19	Develop the product definition statement for your project
Homework 2 9/24	Develop first part of proposal: define the user and market. Develop the business plan budget (note: even if you are a not-for-profit business, you still need to have a budget)
Homework 3 9/26	Brainstorm user scenarios and a list of user tasks that can be done with the app For each task: What does the user see? What does the user control? What steps are followed (& what options do they have) Design the app (use XCode with a dummy project to mock-up views, storyboards)
Homework 4 10/1	Use some combination of the UI Elements we've seen to create an app of your own design The app doesn't have to do anything fancy, but it should do something that's not totally trivial with its UI Keep a journal of interesting problems solved in the process, and submit this. Include screen shots of your app.
Homework 5 10/3	Identify the data you need for your app: Images, databases, files, core data, preferences, etc. Specify the iPhone-specific features that your app will use. List the major tasks in your app's development process. Determine dependences between project tasks, and identify the critical path(s). Set significant milestones (dates) and identify deliverables for each.
Homework 6 10/9	Go ahead and implement at least one of the other three pickers from the book (Chapter 7) See if you can use your own data plist Keep a journal of interesting problems solved in the process, and submit this. Include screen shots of your app. Project presentation to class -- make the elevator pitch for your app
Homework 7 10/15	Develop a PERT chart of your project, showing tasks (activities), completion times, and milestones Write a description of future work: additional features, plans for future releases, multiplatform support plans
Homework 8 10/17	Write your fallback strategy: What features and capabilities can you delete to enable you to "ship" a product by the target date (December 2)?
Homework 9 10/29	Submit your complete business plan, incorporating any revisions to earlier versions that reflect feedback and improved understanding of the platform

See the course schedule for the dates of demos of the semester project. The last two days of class will be devoted to final demos of everyone's completed project.