

CS 491 Homework

Persist

1 Overview

Your responsibility in this homework is to get acquainted with the storage mechanism used by most major mobile operating systems: an SQLite database. You will do so by writing an app that creates, queries, and maintains a database to solve a problem of your choosing.

2 Requirements

To complete this homework, please do the following:

1. Put a story to the problem your app solves. Design your app coherently around your purpose. (Don't write `VanillaApp`, has a button labeled "Clicked me!")
2. Programmatically create a database when your app first runs.
3. Provide a user interface for issuing all four common database interactions: queries, insertions, updates, and deletes.
4. Gracefully handle pauses and configuration changes (changes to orientation, locale, keyboard, and so on). Save buttons are slowly disappearing in this world; please follow suit and automatically save a user's work.
5. Write an app that doesn't manage a user's TODO list.
6. Export your project to `W:\c s\CJohnson\cs491\persist.zip`
7. Document your app in a post mortem on the course blog. Describe the app's purpose, include at least two screenshots, and describe what lessons you learned in its development. Categorize your post `fall 2012`, `post mortems`, and `cs491 mobile`. Publish your post. Check that a link appears on the main course page.

3 Submission

Publication of your post mortem finalizes your submission. Revisit the syllabus for the rules on submission and what happens when you don't meet requirements.