CTCI – APP (Largely based on the book)

**Tabs**

* Study
* Questions
* Map
* Search

**Model Types**

* Topic
  + Name : String
  + imageName : String
  + Subjects : [String]
* StudyTopic : Topic
  + Notes: [Note]
* QuestionTopic : Topic
  + Questions: [Question]
* Note
  + Name : String
  + bullets : [String]
* ComplexNote: Note
  + imageName : String
  + questions : [String]
* Question
  + Name
  + Question
  + Answer
  + Complexity

**Main Screen**

* Intro
* Technical Knowledge
* Interview Questions
* Concepts and Algorithms
* Swift (Personally Made)
* Python (Personally Made)

**Intro**

* The Interview Process
* Behind the Scenes
* Before the interview
* Behavioral Questions

**Technical Knowledge**

* Big O
* Arrays and Strings
* Linked Lists
* Stacks and Queues
* Trees and Graphs
* Bit Manipulation
* Math and Logic
* Object Oriented Design
* Recursion and Dynamic Programming
* System Design and Scalability
* Sorting and Searching
* Testing

**Interview Questions**

* Data Structures
  + Arrays
  + Linked List
  + Trees
  + Balanced Trees
  + Stacks
  + Queues
  + Heap
  + Advanced
* Algorithms
  + Strings
  + Sorting
  + Search
  + Graph Theory
  + Greedy
  + Dynamic Programming
  + Bit Manipulation
  + Recursion

**Concepts and Algorithms**

**Swift (Personally Made)**

**Python (Personally Made)**

* D

**Data Objects**

* Topics
  + Title
  + ImageName
  + Subjects
* Information
  + Title
  + Information
* FlashCards / Questions
  + Title
  + Question
  + Hint
  + Answer

**Data Stores**