



3. Mobile App Development

3.5 Titanium

Prerequisites:

1. HTML
2. CSS
3. JavaScript
4. JS Framework (Optional)

Duration: 30 Lectures

Course Content:

1. Introduction

- 1.1. Introduction to Appcelerator Titanium
- 1.2. Advantages of Appcelerator Titanium
- 1.3. Downloading and installing Appcelerator Titanium
- 1.4. Setting up the environment
- 1.5. Hello world Example

2. HTML, CSS & JavaScript

- 2.1. Intro to HTML, CSS & JavaScript
- 2.2. HTML5 tags overview
- 2.3. HTML5 for mobile development & advantages
- 2.4. JavaScript overview
- 2.5. JQuery

3. Environment Setup

- 3.1. Design GUI
- 3.2. Creating of View or Presentation Layer.
- 3.3. Create view, windows, tabs and User Interface like buttons, textbox, table view etc.



3.4. Navigation between different entities.

3.5. ControlEvents.

4. APIs

4.1. Hardware APIs.

4.2. Introduction to hardware interfacing using JavaScript.

4.3. Hardware APIs available in Appcelerator Titanium.

4.4. Camera.

4.5. Getting to know about camera API.

4.6. Accessing device camera.

4.7. Accelerometer.

4.8. Getting to know about accelerometer API.

4.9. Accessing device accelerometer using the accelerometer object

4.10. Captures device motion in the x, y, and z direction.

5. Titanium Web Services

5.1. Working with configuration layout

5.2. Creating custom layout

5.3. Element and helpers

6. Device Information and Notification

6.1. Storing data in cake session

6.2. Reading a session data

6.3. Delete data from session

7. Assignment & Projects



Media and Files

- Basic File systems
- Directories Operations

Database Management

- Database using SQLite
- Basic queries

Contacts

- Accessing device contacts
- Adding and editing contacts



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