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GoAnimate

What are you doing?

GoAnimate

Motivation

➔ Its a world of smart phones

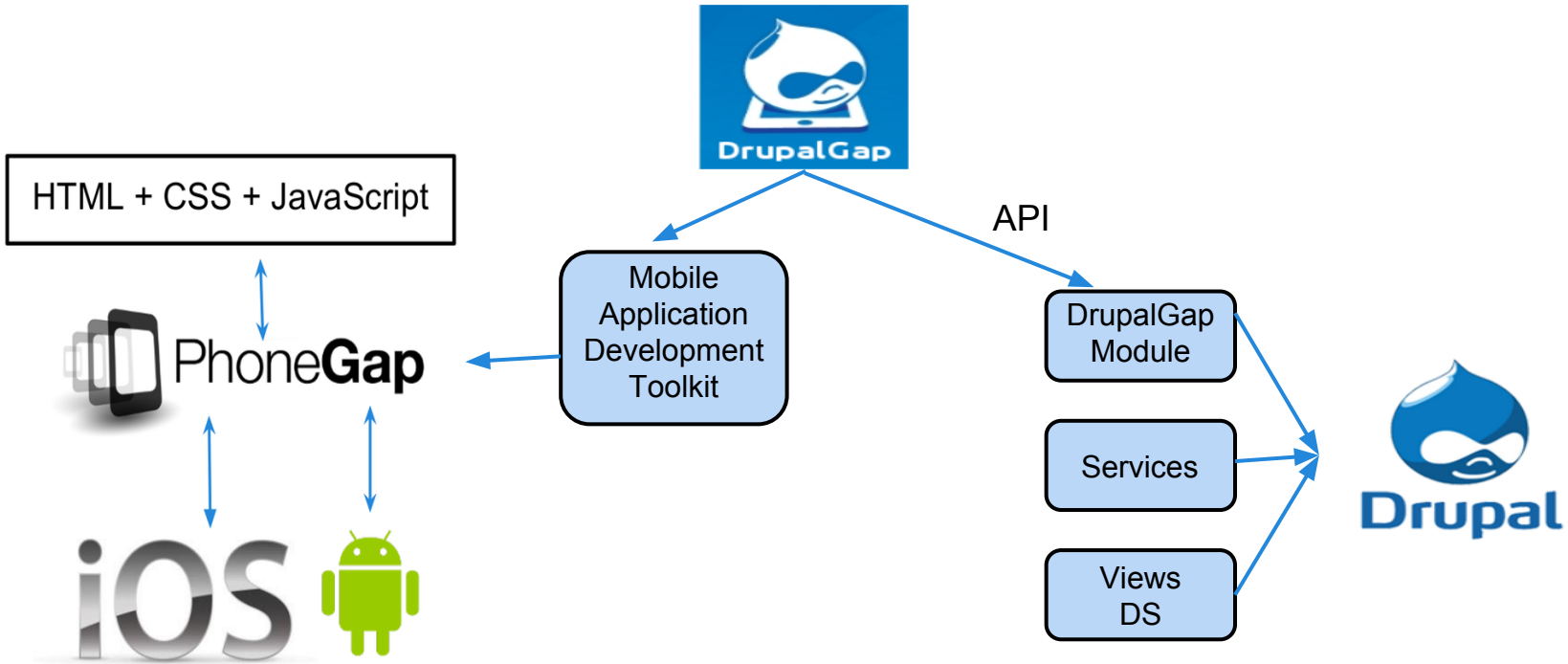
GoAnimate

Functionality

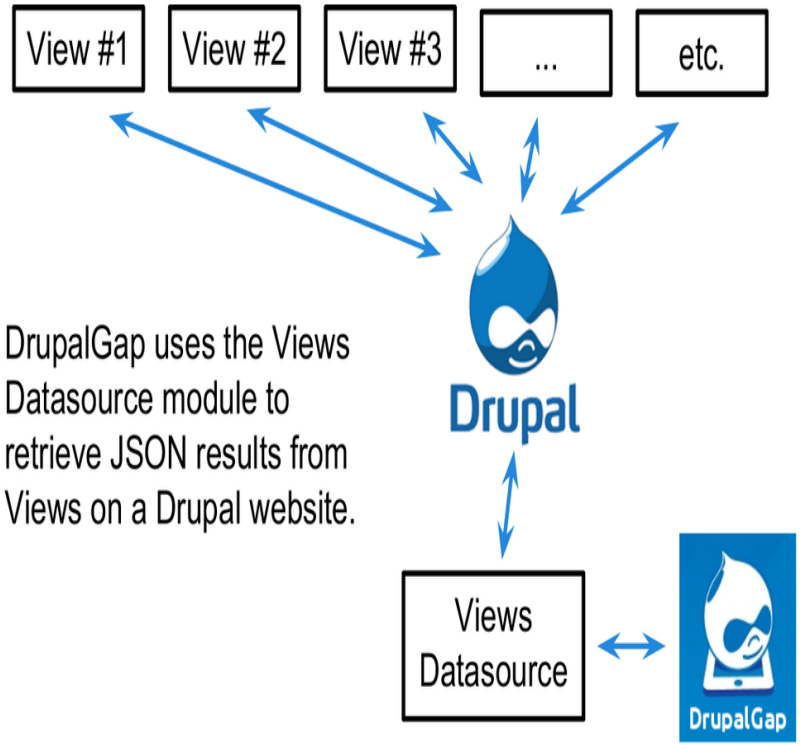
- Login/Register
- Lectures
  - View Video Lecture
  - Download PDF
- Forums
  - Add Question
  - Post comment
  - View existing forum
- Wiki
  - Create a Wiki Page
  - View existing wiki
- Announcements
  - View Announcements
- Events
  - Check for new events

What all are components of it?

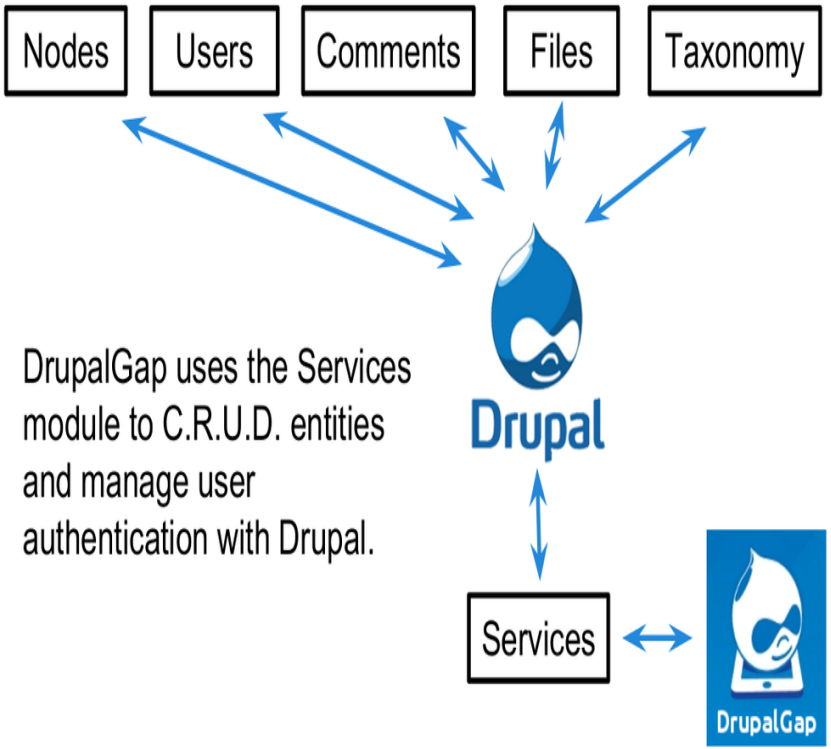
Architecture



Architecture

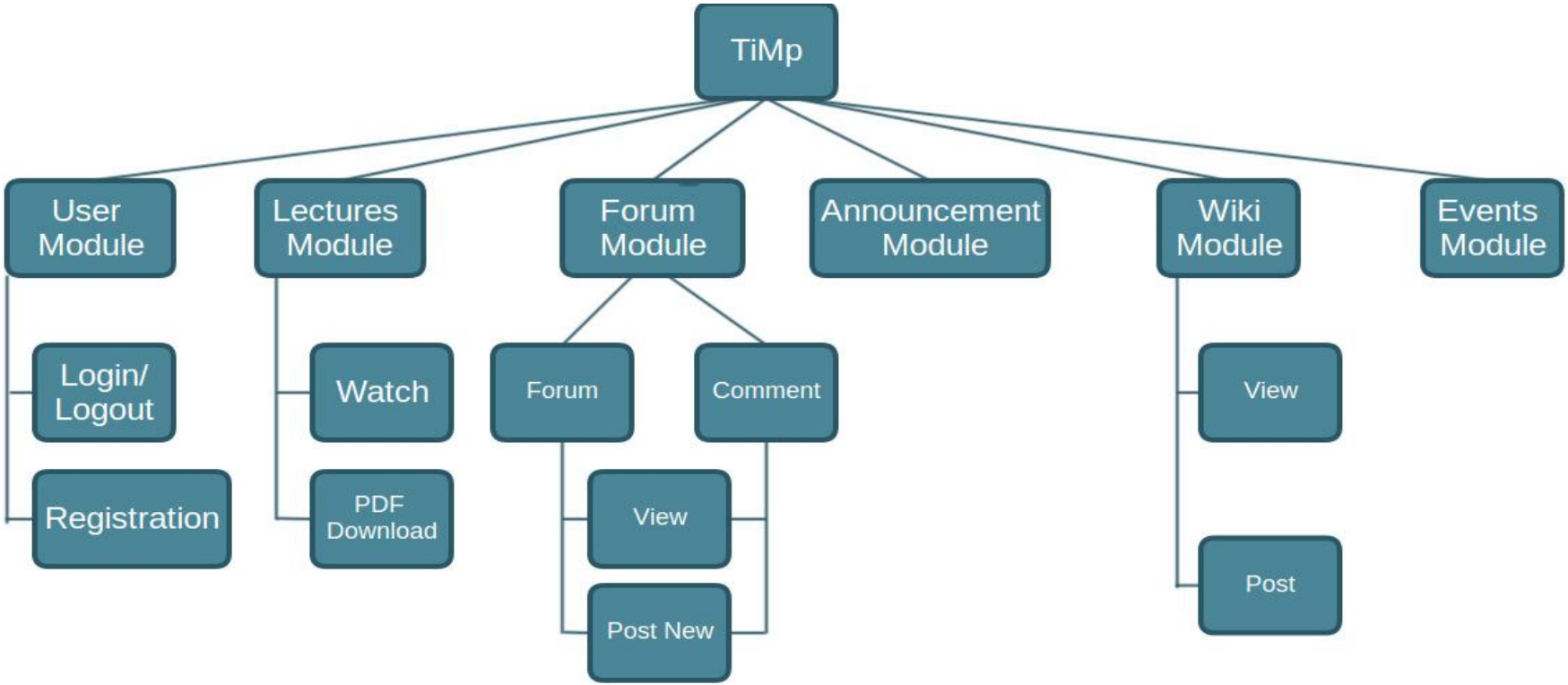


DrupalGap uses the Views Datasource module to retrieve JSON results from Views on a Drupal website.

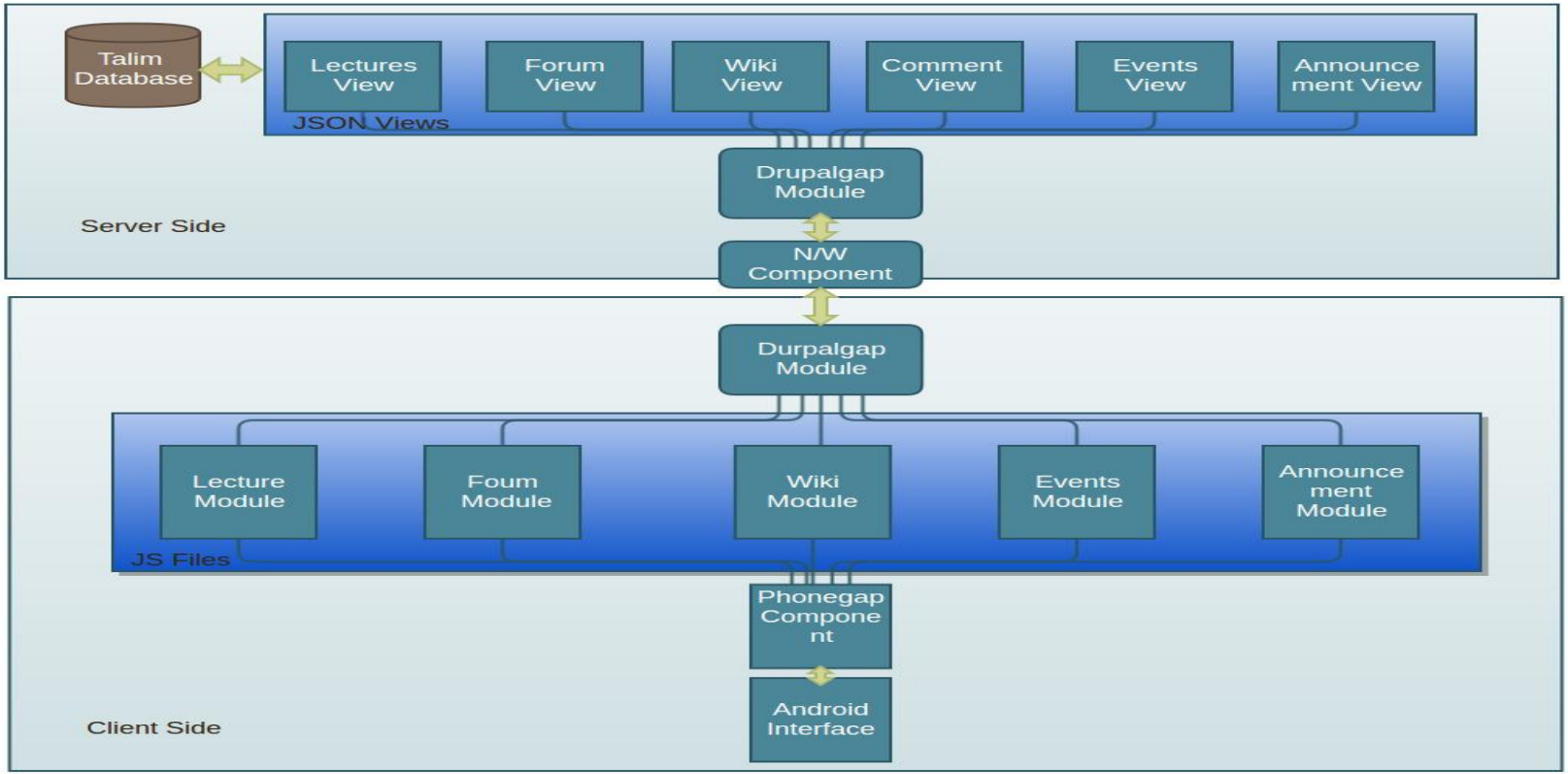


DrupalGap uses the Services module to C.R.U.D. entities and manage user authentication with Drupal.

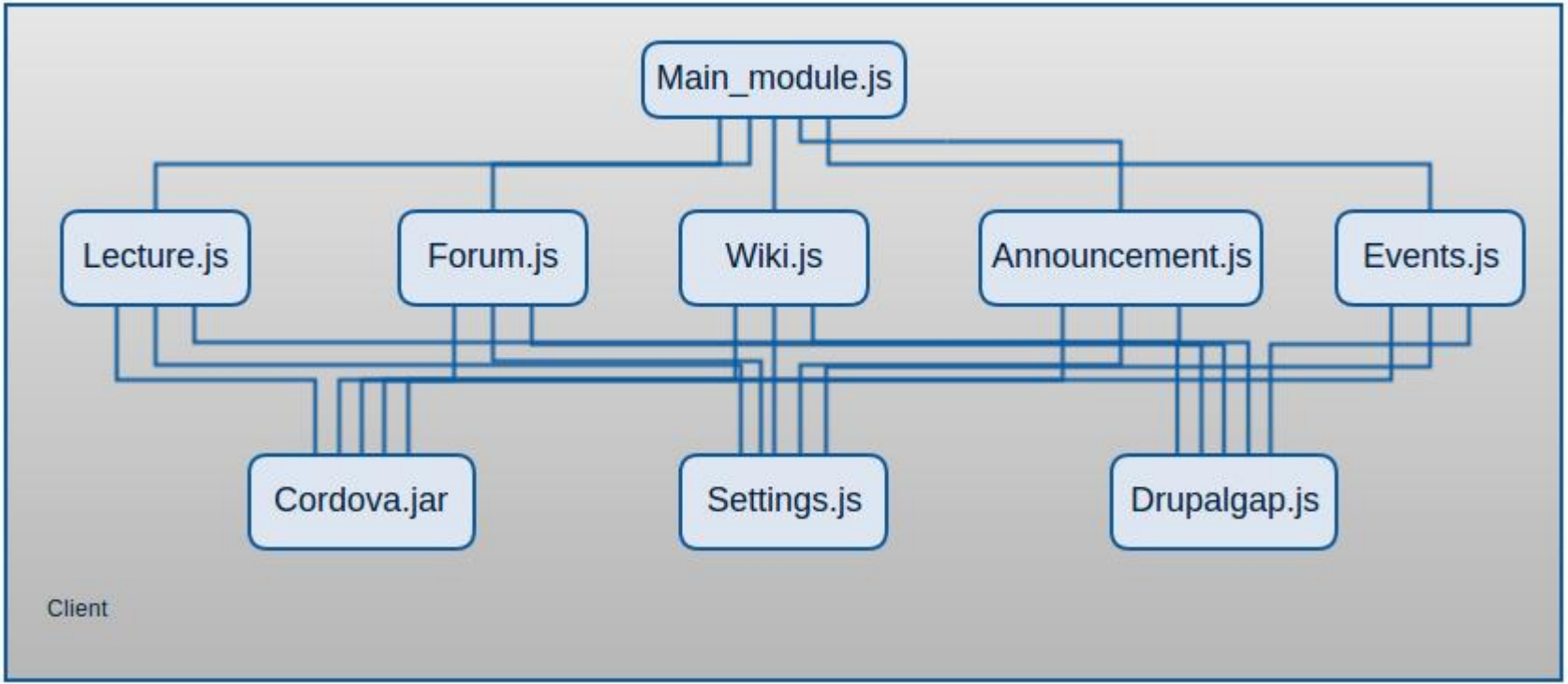
Logical View



Process View



Development View



Architectural Decisions

Caching DB Vs Caching Pages

✗ Cache Database	✓ Cache Pages
• It will make synchronization difficult	• No need to synchronize
• If server side DB change, changes need to replicated on client.	• No need to replicate changes on client, just make view on server.

Every module fetching JSON data Vs Single Module(Drupalgap module) fetching JSON

✗ Every Module Fetching	✓ Single Module Fetching
• Better Control	• Limited communication path
• Fetching exactly required data	• Reusability

Quality Attributes?

Quality Attributes/Tactics

- **Modifiability**
  - Client side code is divided into different modules
  - DrupalGap allows easy way to modify
  - Limiting number of communication paths
- **Portability**
  - Phonegap allows to port within multiple phone platforms
- **Performance**
  - Phonegap has page caching
  - Caching module enabled on drupal site
- **Security**
  - Drupal modules and services are secure.
  - Permissions are given according to roles.
  - Authentication is done on server side.
- **Usability**
  - Fixed format for different modules.
  - navigation buttons from every page.

Do you want to use it?
Yeah..!!

You must have faced many challenge?

Challenges Faced

- Using Drupalgap
- Understanding Drupal Structure for Talim
- Specifics
  - Pdf download with phonegap layer
  - Fetching video URL

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https://github.com/mohitbhadade/TiMp

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