

Modern APIs
CP322

Instructor: Joseph Meyer

Today

Project Group Work

CVS / DVCS Topics

Building and Deploying the Google Maps API in

Node.js Introduction and Overview

Today's Lab

Github / git Tutorial

Group Project Work

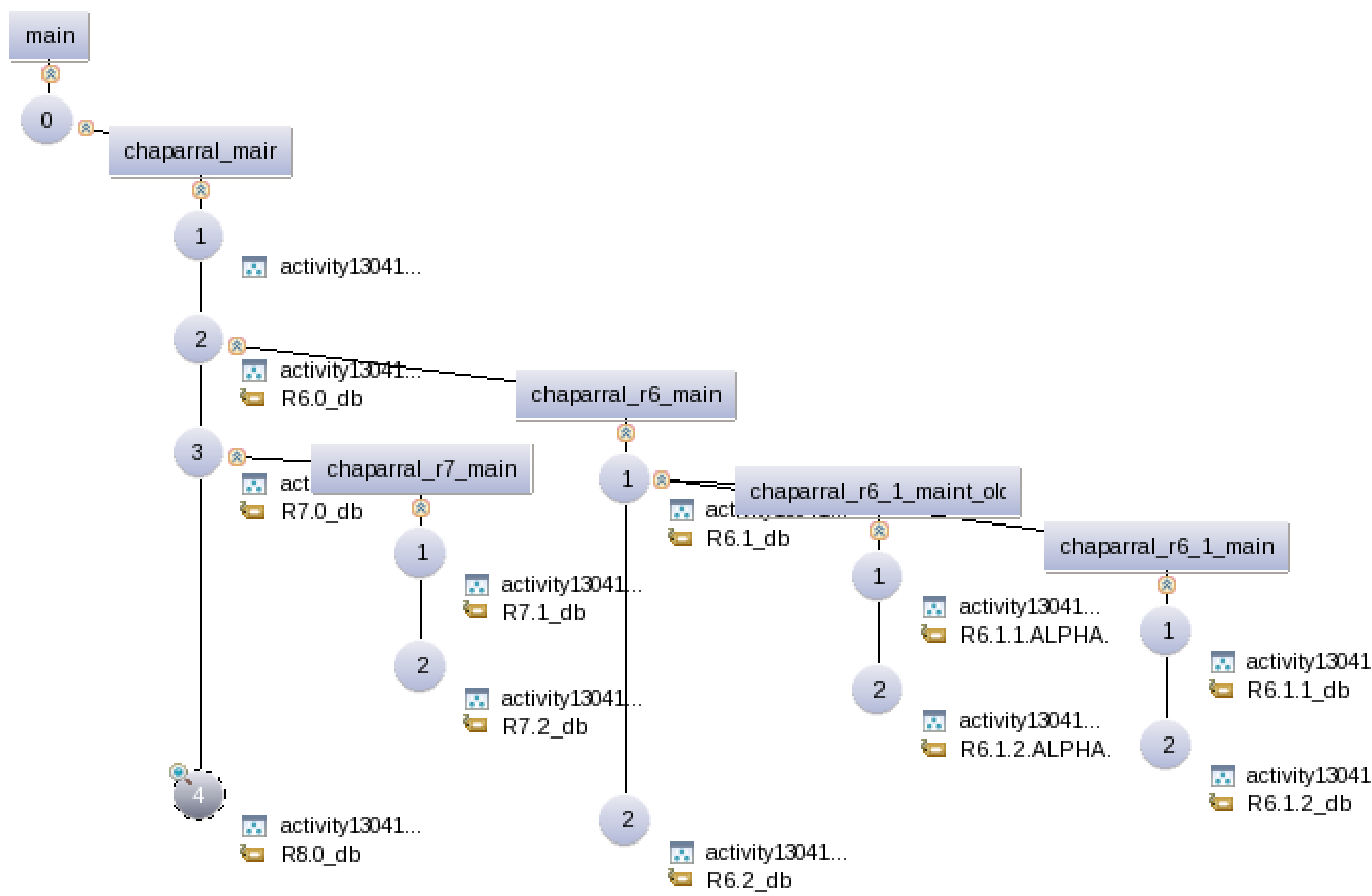
Due 6/2
Presentation 6/7

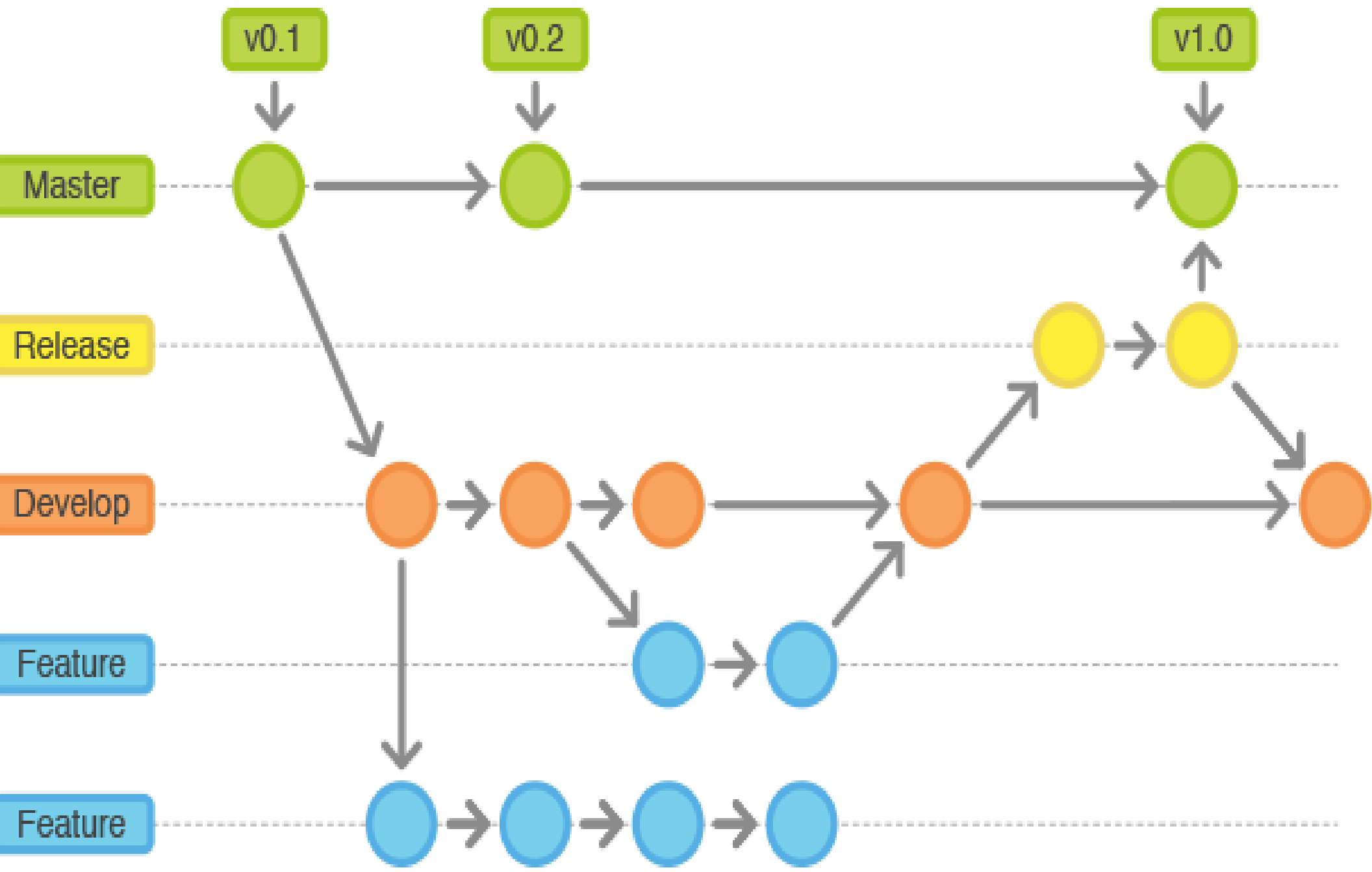
Version Control Systems

Clearcase / Subversion (SVN)

Distributed Version Control Systems

git / Mercurial





When would you use VCS like Clearcase?

When would use use a DCVS like git?

Git Cheat Sheet

<https://www.git-tower.com/blog/git-cheat-sheet/>

Node.js

Introduction / Overview / Tutorial

Node.js

<https://www.youtube.com/watch?v=pU9Q6oiQNd0>

Based on Chrome's Javascript Engine

Database interaction
Port Listening
File Sending
etc

CSS Styling Languages

Sass / Less

Javascript “Compilers”

Gulp / Grunt / Yeoman

Other Javascript Technologies

Express – Web Development Framework

NPM – Javascript plugin management

Google Maps on Node.js

How we can use these features for the Maps API

Google Maps on Node.js

<https://github.com/googlemaps/google-maps-services-js>

The Node.js Client for Google Maps provides the following Google Maps APIs:

Directions API

Distance Matrix API

Elevation API

Geocoding API

Places API

Roads API

Time Zone API

Today's Lab

1 Follow the github tutorial below

<https://guides.github.com/activities/hello-world/>

2 Follow the node.js tutorial below

https://www.w3schools.com/nodejs/nodejs_url.asp

3 Upload the node.js tutorial to your github repo