

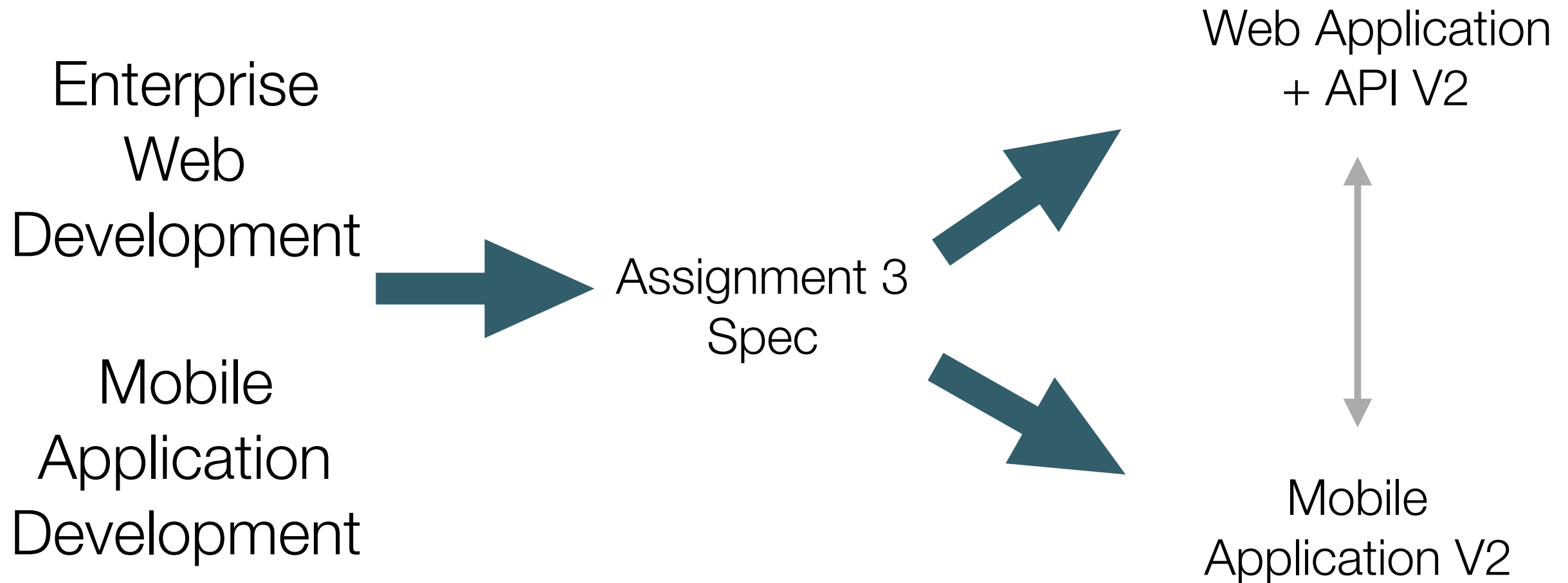
# Assignment 2 Briefing

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Continuous Assessment

# Assignment 3

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# Agenda

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- Submission Guidelines
- Specifications
- Grading Spectrum

# Submission Guidelines

# Cover Page

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- Submit cover page as single PDF.
- Cover page to contain:
  - Student name and id.
  - Brief non-technical description.
  - Links to repository hosting your code.
  - Link to Deployed Web App
  - Credentials for web application (user & admin)
  - All on single page.

# Source Repos

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- For each assignment create a git separate repository (repo).
- Commit often (with suitable messages).
- Tag iterations using consistently styled tag names.
- Provide read-access to your repos if you wish to keep private

# Presentation

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- Project will be presented - allocated a 20 minute slot on Monday January 8th
- Attended by Tuition team only
- 10 Minute presentation (with slides)
- 10 Minute demo + Q&A
- Slides to consist of walk through of demo via screen shots + supporting explanatory text
- Slides to be submitted on moodle with cover page
- 7-12 slides approx

Specification



# Specification (carried over)

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- Develop a Microblog/twitter like application
- Two standalone applications:
  - A Web Application
  - A Mobile Application
- Features:
  - Shared Features (present in both apps)
  - Features unique to each app

# Shared Features (carried over)

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1. Enable User Signup / Registration / Login
2. Enable user to post 140 character tweets
3. These tweets are persisted, and will be reloaded when a user logs in.
4. Support viewing all tweets user has posted - the users public timeline
5. Allow a user to delete a subset of tweets
6. Allow a user to delete all tweets
7. Allow a user to edit account settings (email, password, and other details).

## Features (carried over)

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- Deployed to an public server (heroku)
- View the timeline of another user
- View a 'global' timeline, of all tweets from all users
- Separate 'admin' account with:
  - Ability to add/remove users
  - Ability to delete tweets from any user, individually or in bulk

# New Features: Images + Social

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- Incorporate images 'inline' into tweets
- Introduce 'Social' Features: following/followers:
  - Be able to follow members
  - Be able to see merged timeline of members user is following
  - Be able to see followers of any given user

# New Features: Security

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- Sanitisation input & output
- enhanced cookies, Hashing & salting passwords
- jwt

# New Features: Deployment

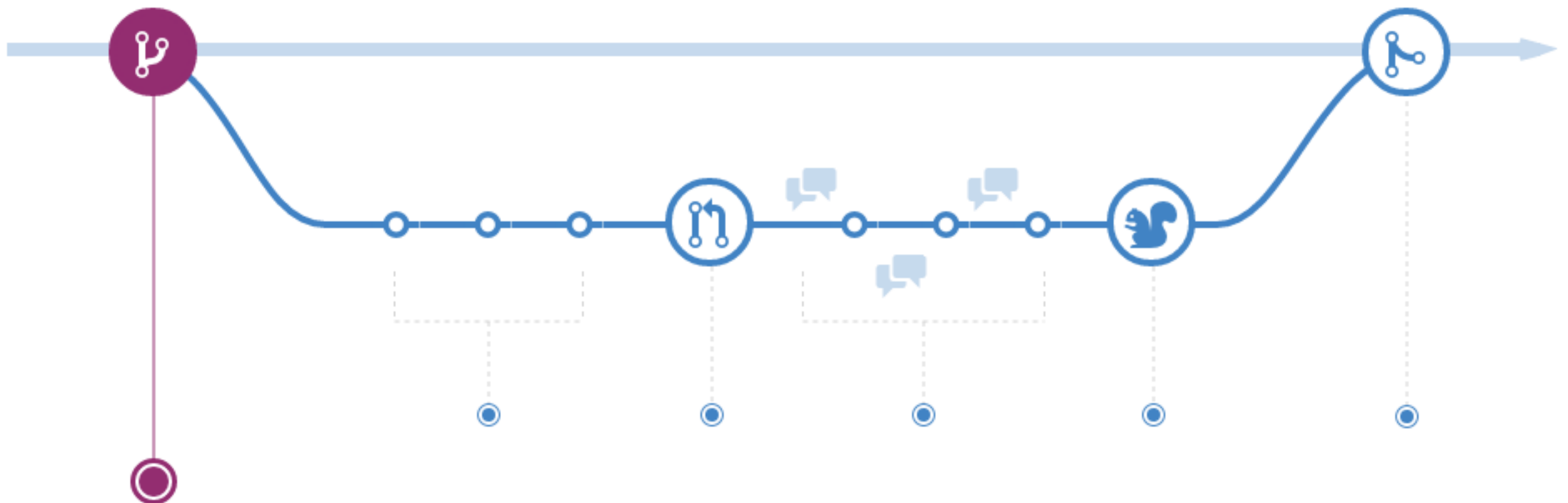
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- Integrate techniques from Devops into web app deployment
  - heroku
  - heroku + other (zeit or glitch)
  - Amazon (with mlab mongo)
  - Amazon with mongo in Amazon

# New Features : Git Branching Models (1)

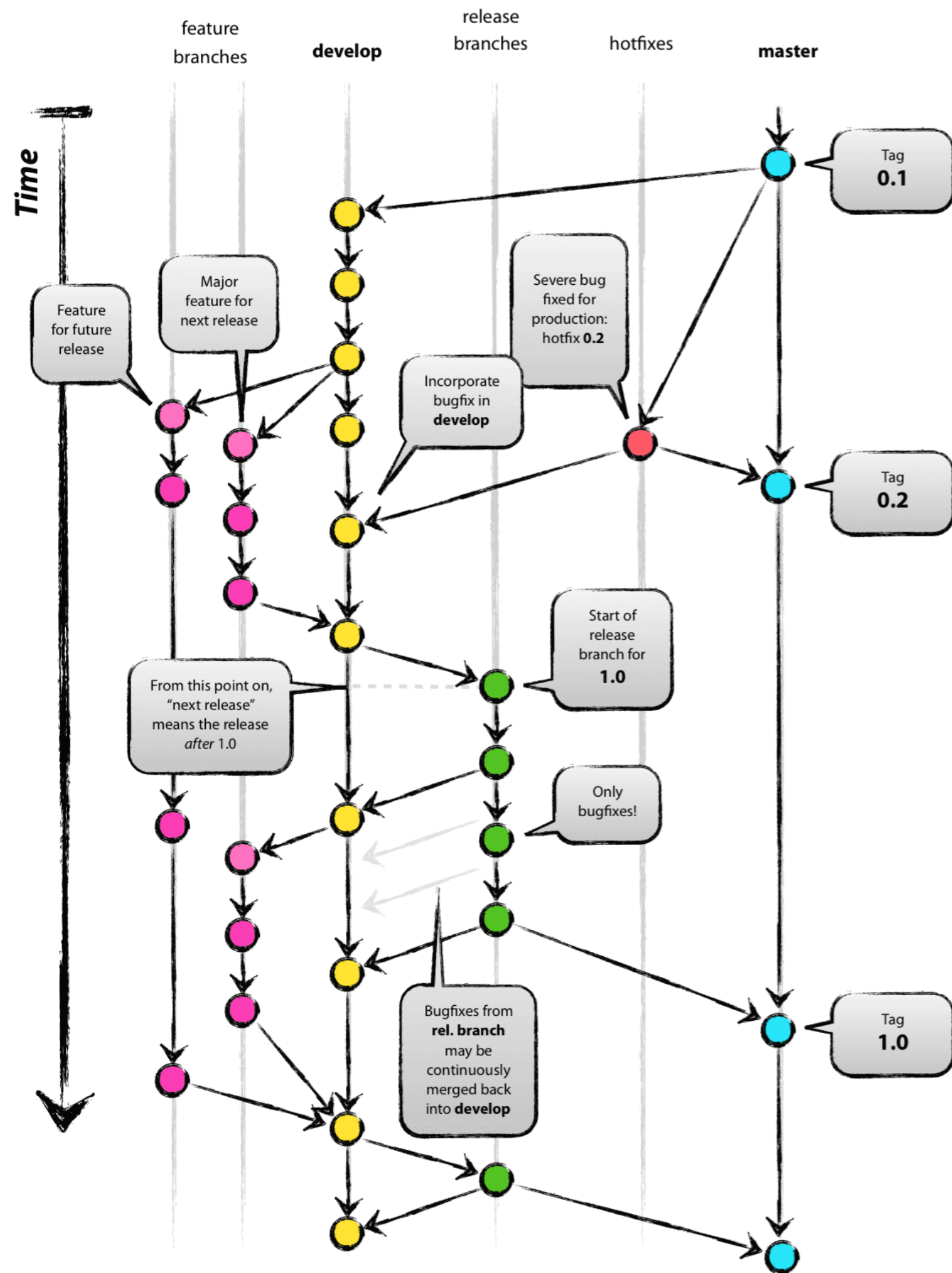
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- Many development organisations employ more sophisticated branching and merging models that we have been using to date
- E.g. Git Flow:
  - <https://guides.github.com/introduction/flow/>



# Branching Models (2)

- <http://nvie.com/posts/a-successful-git-branching-model/>
- Research, select and implement more sophisticated model
- Branching model to be summarised in 'readme.md' on repo





# Grading Spectrum

# Grade Allocations

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<b>Enterprise Web Development</b>			
Security	25%		
Assignments	75%		
Breakdown of the 75%			
Assignment 1	35%		
Assignment 2	65%		

## Assignment 2

	Features	UX	Git	Deployment	security
	45	25	10	10	10
baseline	Assign 1 Features + API + API Unit Tests	Validation	git + commit History	heroku	Basic Cookies
good	Social (following/ followers)	Responsive & Elegant	quality readme	Heroku + another (eg glitch, diet)	Enhanced cookies, Sanitisation of input & output
excellent	Images in Tweets	SPA (Aurelia)	Tagged releases	+ amazon (with m-lab mongo)	Hashing & salting passwords
outstanding	Admin with Analytics Dashboard	SPA with Router	Branch-based workflow.	+ amazon with mongo on amazon	JWT