New Router Progress

Author: [bford@google.com](mailto:bford@google.com)

The purpose of this document is to summarize daily progress on *The New Angular Router* ([angular/router](https://github.com/angular/router)). If you have questions, suggestions related to the router, please [file an issue on the repo](https://github.com/angular/router/issues/new), first checking the [existing issues](https://github.com/angular/router/issues?q=is%3Aissue+).

The tasks I'm working on this week are in the [v0.4.1](https://github.com/angular/router/milestones/v0.4.1) milestone on GitHub.

## Monday, March 30 – Friday April 3

Progress:

* Converted much of the existing router code to TypeScript, refactored as needed
* Wrote directives for Angular 2
* Most (35/40) tests passing
* Work on documentation system for splitting routing docs into parts for Angular 1 and Angular 2

Goals:

* Finish directives for Angular 2

## Monday, March 23, 2015 – Friday, March 27, 2015

Progress:

* Refactored internals into explicit pipeline class [angular/router#b01f82d6](https://github.com/angular/router/commit/b01f82d68de5db30a46753884a7cb9c6cc92f6ab)
* Added pipeline config API [angular/router#88d2f5cd](https://github.com/angular/router/commit/88d2f5cd0edc929725b2d7169a76fdbddedb3dcd)

**Monday, March 16 through Friday, March 20, 2015 –** [**ng-japan 2015**](http://ngjapan.org/)

## Monday, March 9, 2015 – Friday, March 13, 2015

Progress:

* Refactored recognizer internals
* Add route name aliasing
* Implemented DynamicComponent in angular/angular to support routing

Wednesday, March 4 through Friday, March 6 – ng-conf 2015

## 

## Monday, March 2, 2015

Progress:

* ng-conf prep

## Friday, February 26, 2015

Progress:

* ng-conf prep
* Generalized AtScript to Angular 1 module script so it works better with multiple files
* Wrote better example app for lifecycle hooks

## Thursday, February 26, 2015

Progress:

* ng-conf prep

## Wednesday, February 25, 2015

Progress:

* ng-conf prep
* Decided to ditch new recognizer in favor of another approach – see [angular/router#131](https://github.com/angular/router/issues/131)

## Tuesday, February 24, 2015

Progress:

* Wrote another proposal for changing the internals for recognizing routes [angular/router#131](https://github.com/angular/router/issues/131)
* Implemented prototype of new recognizer
* ng-conf prep

Goals:

* Fix issue with linking to child routes [angular/router#104](https://github.com/angular/router/issues/104), [angular/router#81](https://github.com/angular/router/pull/81)

## Monday, February 23, 2015

Progress:

* Wrote up a proposal to fix [angular/router#104](https://github.com/angular/router/issues/104), [angular/router#81](https://github.com/angular/router/pull/81) – [angular/router#129](https://github.com/angular/router/issues/129)
* ng-conf prep

Goals:

* Fix issue with linking to child routes [angular/router#104](https://github.com/angular/router/issues/104), [angular/router#81](https://github.com/angular/router/pull/81)

## Thursday, February 19, 2015

Progress:

* Landed a bunch of docs PRs
* Responded to feedback on GitHub for router
* Familiarizing myself with 2.0 templating

Goals:

* Fix issue with linking to child routes [angular/router#104](https://github.com/angular/router/issues/104), [angular/router#81](https://github.com/angular/router/pull/81)

## Wednesday, February 18, 2015

Progress:

* Updated 1.x proposal for lazy adding to the app injector [angular/angular.js#11015](https://github.com/angular/angular.js/issues/11015)

## Tuesday, February 17, 2015

Progress:

* renamed `router` to `$router`, `componentLoader` to `$componentLoader`, routeParams to `$routeParams`
* rewrote getting started guide
* published v0.3.0
* published blog post – <http://angularjs.blogspot.com/2015/02/preview-of-new-angular-router.html>
* reviewed 1.x proposal for lazy adding to the app injector [angular/angular.js#11015](https://github.com/angular/angular.js/issues/11015)

Goals:

* Start on bindings to Angular 2
* Fix issue with linking to child routes [angular/router#104](https://github.com/angular/router/issues/104), [angular/router#81](https://github.com/angular/router/pull/81)

## Monday, February 16, 2015 – President's Day (US Holiday)

## Friday, February 13, 2015

Progress:

* Fix issue with 1.x router where router needlessly re-instantiates components #62
* Release v0.2.0

## Wednesday, February 11, 2015

Progress:

* Improve conceptual and API docs
* Improve dgeni configs and templates

## Thursday, February 5, 2015

Progress:

* Merge [angular/router#74](https://github.com/angular/router/pull/74) and close [angular/router#69](https://github.com/angular/router/issues/69)

## Wednesday, February 4, 2015

Progress:

* Processed feedback on RFC
* Added [methodology section to CONTRIBUTING.md](https://github.com/angular/router/blob/master/CONTRIBUTING.md#methodology)

Goals:

* Fix issue with AtScript API docs [angular/router#69](https://github.com/angular/router/issues/69) (deferred to Pete)
* Publish another 0.x release – [angular/router#60](https://github.com/angular/router/issues/60)
* Get 1.x ready for feedback

## Tuesday, February 3, 2015

Progress:

* Spent time with Pawel explaining router at a high level and answering questions
* Organized issues into milestones on GH closed [angular/router#64](https://github.com/angular/router/issues/64)

Goals:

* Get Pawel up to speed
* Organize issues into milestones on GH [angular/router#64](https://github.com/angular/router/issues/64)
* Fix issue with AtScript API docs [angular/router#69](https://github.com/angular/router/issues/69)

## Monday, February 2, 2015

Progress:

* Wrote RFC for adding pre-approved providers into injector after bootstrap
* Fixed blocking issue in Zone.js – [angular/angular#487](https://github.com/angular/angular/issues/487)

Goals:

* Write RFC for adding pre-approved providers into injector after bootstrap – related to [angular/router#51](https://github.com/angular/router/issues/51) (closed)

**Friday, January 30, 2015 – Vacation**

**Wednesday - Thursday, January 28-29, 2015**

At React Conference – personal highlights (in no particular order)

* Channels (CSP) and React <https://www.youtube.com/watch?v=W2DgDNQZOwo>
* Data fetching <https://www.youtube.com/watch?v=9sc8Pyc51uU>
* react-router <https://www.youtube.com/watch?v=XZfvW1a8Xac>

## Tuesday, January 27, 2015

Progress:

* Identified issue with API doc generation [angular/router#69](https://github.com/angular/router/issues/69)
* Landed a bunch of docs improvements

Goals:

* Implement reusable, animated, material design tab component with new router

## Monday, January 26, 2015

Progress:

* Considered a strategy for organizing "use cases" into issues [angular/router#64](https://github.com/angular/router/issues/64)
* Noted that the tests should probably be refactored [angular/router#66](https://github.com/angular/router/issues/66)
* Landed redirects [angular/router#65](https://github.com/angular/router/issues/65)

Goals:

* Finish redirects [angular/router#65](https://github.com/angular/router/issues/65)
* Prepare to pair with Material Design team tomorrow in integrating angular/material and angular/router

**Friday, January 23, 2015**

Progress:

* Work implementing new redirect strategy
* Improved documentation for router config

Goals:

* Fix redirects [angular/router#65](https://github.com/angular/router/issues/65)

**Thursday, January 22, 2015**

Progress:

* Wrote test for redirect strategy
* Worked on new redirect strategy

Goals:

* Fix redirects [angular/router#65](https://github.com/angular/router/issues/65)

## Wednesday, January 21, 2015

Progress:

* Improved the docs WRT lifecycle hooks
* Identified need for `canReactivate` and `reactivate` hooks [angular/router#62](https://github.com/angular/router/issues/62)
* Identified issue with redirects [angular/router/65#issuecomment-71537819](https://github.com/angular/router/issues/65#issuecomment-71537819)

Goals:

* Solicit feedback for the router in 1.x

## Tuesday, January 20, 2015

Progress:

* index page for docs with dgeni (thanks Pete!)
* added simple styling for the docs [angular/router/ab90cabf](https://github.com/angular/router/commit/ab90cabfacfea7679a9a76195e4872d671f8c346)

Goals:

* Generate index page for docs with dgeni
* Solicit feedback for the router in 1.x

## Monday, January 19, 2015 – Holiday

## Friday, January 16, 2015

Progress:

* Configured gh-pages
* Improved documentation
* Hosted documentation on gh-pages, but there's still no index

Goals:

* Generate index page for docs with dgeni

## Thursday, January 15, 2015

## Progress:

## Created diagrams (with [graphviz](http://www.graphviz.org/)) explaining router hooks

## Goals:

## Generate index page for docs with dgeni

* Setup gh-pages branch

## Wednesday, January 14, 2015

Progress:

* Wrote high-level documentation

Goals:

* Write high-level documentation
* Solicit feedback for the router in 1.x

## Tuesday, January 13, 2015

Progress:

* Finished writing high-level API docs

Goals:

* Write documentation
* Get feedback for the router in 1.x

## Monday, January 12, 2015

At [today's 1.x planning meeting](https://docs.google.com/document/d/1xKEbydyUEOQ_gTbcbxy_k2myctG8EiVbeMgLgXTxIc0/edit#heading=h.vv2jg4n3d7fj), we decided that it would be better to prioritize getting the work done for the router in 1.x as soon as possible. I've created [a PR with my work in getting the router into the Angular 2 codebase](https://github.com/angular/angular/pull/411), but I'll be working on the code in angular/router again.

Progress:

* Added basic [dgeni](https://github.com/angular/dgeni) config, closing [angular/router#45](https://github.com/angular/router/issues/45)
* Initial work on improving the docs [angular/router/88c40440](https://github.com/angular/router/commit/88c404402d74419830d22823dde7b80c9f7cc590)

Goals:

* Write documentation
* Get feedback for the router in 1.x.

## Friday, January 9, 2015

Progress:

* Progress on refactoring RouteRecognizer, especially using ES6 features
* Improved RegExp code generation, especially for literals in ES6 in angular/angular
* Rewrote specs without async/await
* Improved [URI facade in angular/angular](https://github.com/angular/angular/pull/411/files#diff-abb344ac552a641ef20a8ff8738060fbR1)

Goals:

* PR for moving existing router code into angular/angular repo
* Build proof of concept router bindings for angular 2

## Thursday, January 8, 2015

Progress:

* Compiled and ran tests for router module in angular/angular environment
* identified that RouteRecognizer class needs to be rewritten for compiling to other languages
* identified that specs need to be rewritten without ES7 async/await

Goals:

* PR for moving existing router code into angular/angular repo
* Build proof of concept router bindings for angular 2

## Wednesday, January 7, 2015

My overall goal is to ship the new 1.x router alongside Angular 1.4. However, I haven't yet done any work to integrate the new router with Angular 2. I want the router to be relatively stable in Angular 1 when we release 1.4. To that end, I need to do enough work to make sure that there aren't going to need to be huge breaking changes to the new router to have it accommodate both Angular 1.x and Angular 2.x.

Here are the next steps:

1. Move the router code to the Angular 2 repo
   1. We need to make sure that changes to Angular 2 don't break the router. For now, this is the easiest way.
2. Implement directives for Angular 2 to prove out the overall design of the router
3. Improve router in-line code documentation
   1. I want to get more feedback, and right now this project is too difficult to approach.

## Vacation

## Friday, December 19, 2014

Progress:

* Worked on building reusable material design widget using routing – [router#47](https://github.com/angular/router/issues/47)

Goals:

* build reusable material design widget using routing – [router#47](https://github.com/angular/router/issues/47)

## Thursday, December 18, 2014

Progress:

* Looked at lazy loading strategies; added prior art to [router#22/50589067](https://github.com/angular/router/issues/22#issue-50589067)
* Changed component loader conventions for 1.x
* Refactored examples, tests to use new conventions
* Moved phone-kitten app into angular/router repo

Goals:

* build reusable material design widget using routing – [router#47](https://github.com/angular/router/issues/47)

## Wednesday, December 17, 2014

Progress:

* Fixed route recognizer import, closing [router#1](https://github.com/angular/router/issues/1)
* Landed animations demo
* Improved build process
  + removed runtime dependency on traceur [router#42](https://github.com/angular/router/issues/42)
  + single js output [router#43](https://github.com/angular/router/issues/43)

Goals:

* refactor 1.x examples and e2e tests
* build reusable material design widget using routing

## Tuesday, December 16, 2014

Progress:

* Add animations leave hook [c58ce6f2](https://github.com/angular/router/commit/c58ce6f2cc3ae9c392d28bac7511554da5530978)
* API for custom animations based on route config
* Work on demo for [router#35](https://github.com/angular/router/issues/35)
* Revisited ergonomics issue with writing CSS animations [router#36](https://github.com/angular/router/issues/36)

Goals:

* Demo [router#35](https://github.com/angular/router/issues/35)!

## Monday, December 15, 2014

Progress:

* Reworked animation hooks [37b55f4c](https://github.com/angular/router/commit/37b55f4cc71a491191464fbf1d268f7b7f1da06d)
* Work on demo for [angular/router#35](https://github.com/angular/router/issues/35)

Goals:

* Demo [angular/router#35](https://github.com/angular/router/issues/35) by end of day tomorrow

## Tuesday, December 9, 2014 to Monday, December 15, 2014

Taking a break from router duties to work on Batarang and Zones in ng 2

## Monday, December 8, 2014

Progress:

* added animations to phone-kitten
* cleaned up and re-organized issues [angular/router/issues](https://github.com/angular/router/issues)

Goals:

* demo [angular/router#35](https://github.com/angular/router/issues/35) by end of week

## Friday, December 5, 2014

Progress:

* started adding animations to phone-kitten demo
* identified ergonomics issue with writing CSS animations [angular/router#36](https://github.com/angular/router/issues/36)
* identified ergonomics issue with ctrl as ergonomics in routerComponent [angular/router#34](https://github.com/angular/router/issues/34)

Goals:

* resolve ergonomics issue WRT writing CSS animations

## Thursday, December 4, 2014

Progress:

* added e2e tests and run them in parallel w\ unit tests [angular/router#25](https://github.com/angular/router/issues/25)
* initial work on animations ([dcf7e953](https://github.com/angular/router/commit/dcf7e95375c7fbb3e5eca1636709f7290f87d48b) and [61acba56](https://github.com/angular/router/commit/61acba56f9d3601f7a3537c9a166da46972540b1))
* identified some improvements to the build for this module

Goals:

* continue work on animations in 1.x
* animations demo in 1.x

## Wednesday, December 3, 2014

Progress:

* tests are green, but future work described in [angular/router#25](https://github.com/angular/router/issues/25)
* pushed v0.0.1 and v0.0.2 releases
* rewrote readme to be aligned with current goals/progress [3543776d](https://github.com/angular/router/commit/3543776d164f12ac6bf60bb2fa92b01d6344e2ec)
* decided to check in distribution artifacts on each release [angular/router#27](https://github.com/angular/router/issues/27)
* initial work on animation hooks in 1.x (nothing to show yet)

Goals:

* continue work on animations in 1.x [angular/router#24](https://github.com/angular/router/issues/24)

## Tuesday, December 2, 2014

Progress:

* decided on npm package name [angular/router#2](https://github.com/angular/router/issues/2)
* discussion on lazy loading with [@geddski](https://twitter.com/geddski) [angular/router#22](https://github.com/angular/router/issues/22)
* ported phonecat demo to new router – [btford/phone-kitten](https://github.com/btford/phone-kitten)

Goals:

* decide on strategy for publishing build artifacts [angular/router#27](https://github.com/angular/router/issues/27)
* fix testing infrastructure [angular/router#25](https://github.com/angular/router/issues/25)
* implement animations hook [angular/router#24](https://github.com/angular/router/issues/24)