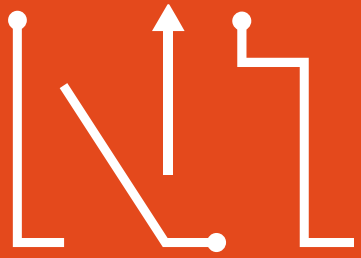




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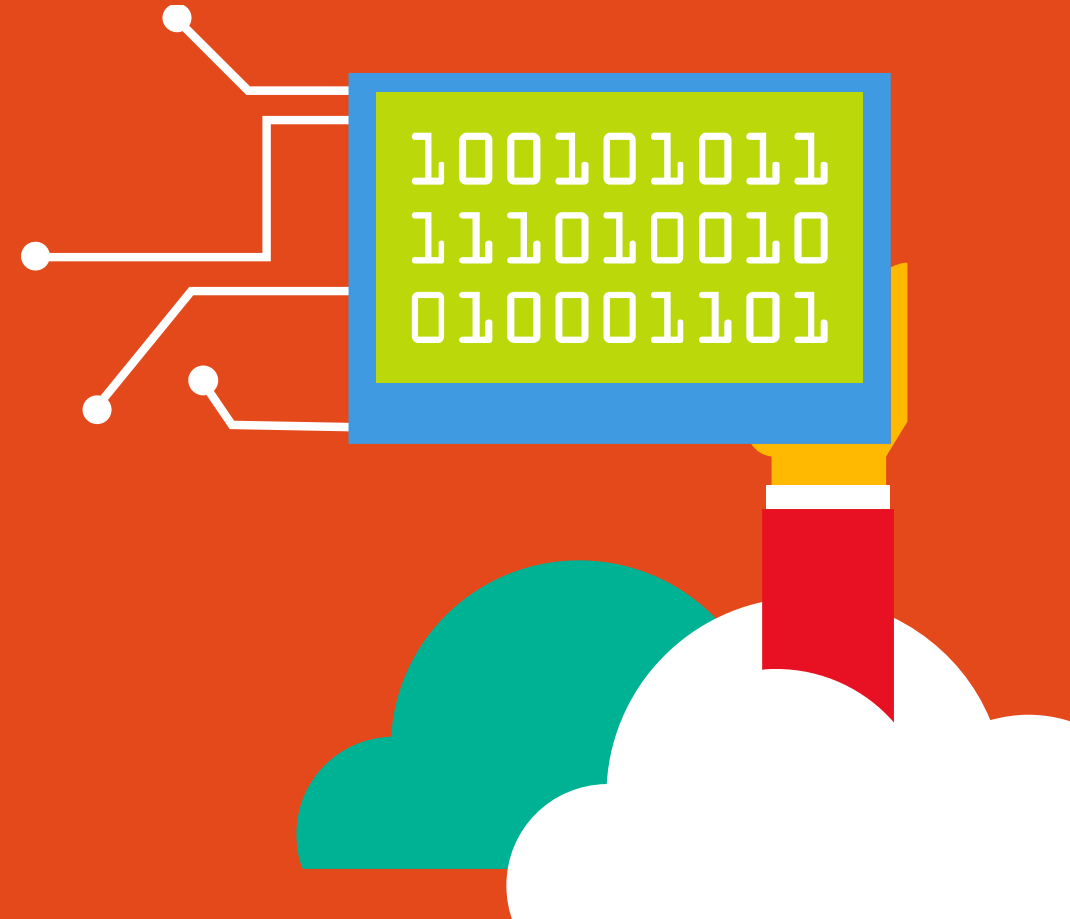
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SharePoint Framework

Prihodnost SharePointa

Gašper Rupnik

TEHNOLOGIJA



Gašper Rupnik

Kompas Xnet d.o.o.

- SharePoint Developer
- Developer
- MS; MCPS; MCSD: SharePoint Applications, App Builder; MCT
- gasperr@kompas-xnet.si
- @RaspeR87

SharePoint Dev Roadmap

- SharePoint Solutions [WSP]
 - Farm Solutions vs. Sandboxed Solutions
 - Server-Side, Client-Side, XML definicije in sheme
 - Počasen deploy&debug + down-time
 - Omejeno enotno okolje Win+SP+VS+...
- SharePoint Apps/Add-ins
 - Client-side, XML definicije in sheme
 - Počasen deploy&debug
 - Omejeno okolje Win+VS

Demo

WSP & SP App „Potni Nalogi“

SharePoint Dev Roadmap

- SharePoint Framework [SPFx] (mid 2016)
 - client-side web-parts, XML definicije in sheme
 - Odprto-koden
 - Dev okolje: Win, Linux, MacOS ...
 - Razvojno orodje: Visual Studio Code, Notepad++ ...
 - SharePoint Workbench

Open source tooling

Build Process & Tooling

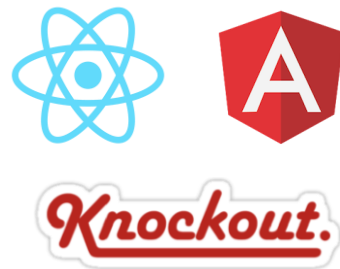
Yeoman Templates
Gulp-based Build Process
NodeJS/NPM
SystemJS
Webpack
SASS
TypeScript



JavaScript Frameworks

React
Angular
Knockout

and more ... your choice!



Code Editors

Visual Studio Code
Atom
Sublime

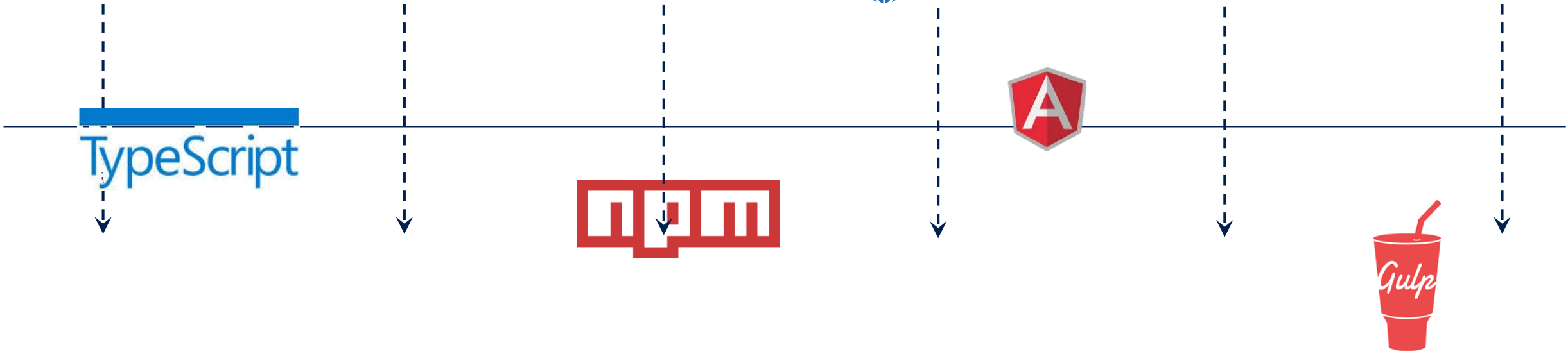
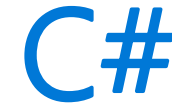
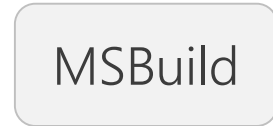
and more ... your choice!

 Visual Studio Code

 ATOM



SPFx Technologies





Install
SharePoint
Generator



Yeoman
SharePoint
web part



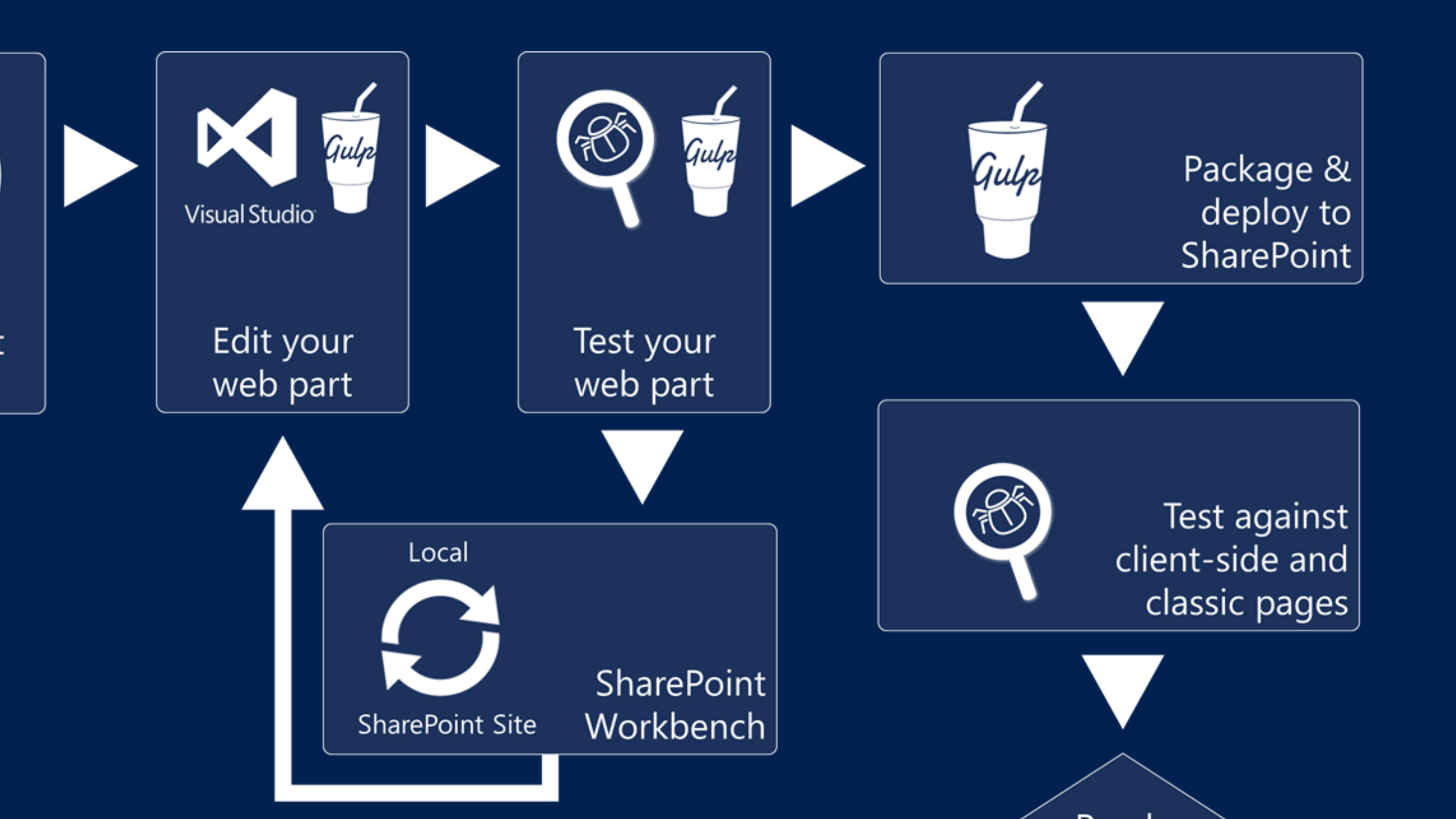
Visual Studio

Edit your
web part



Local





TypeScript
node JS™

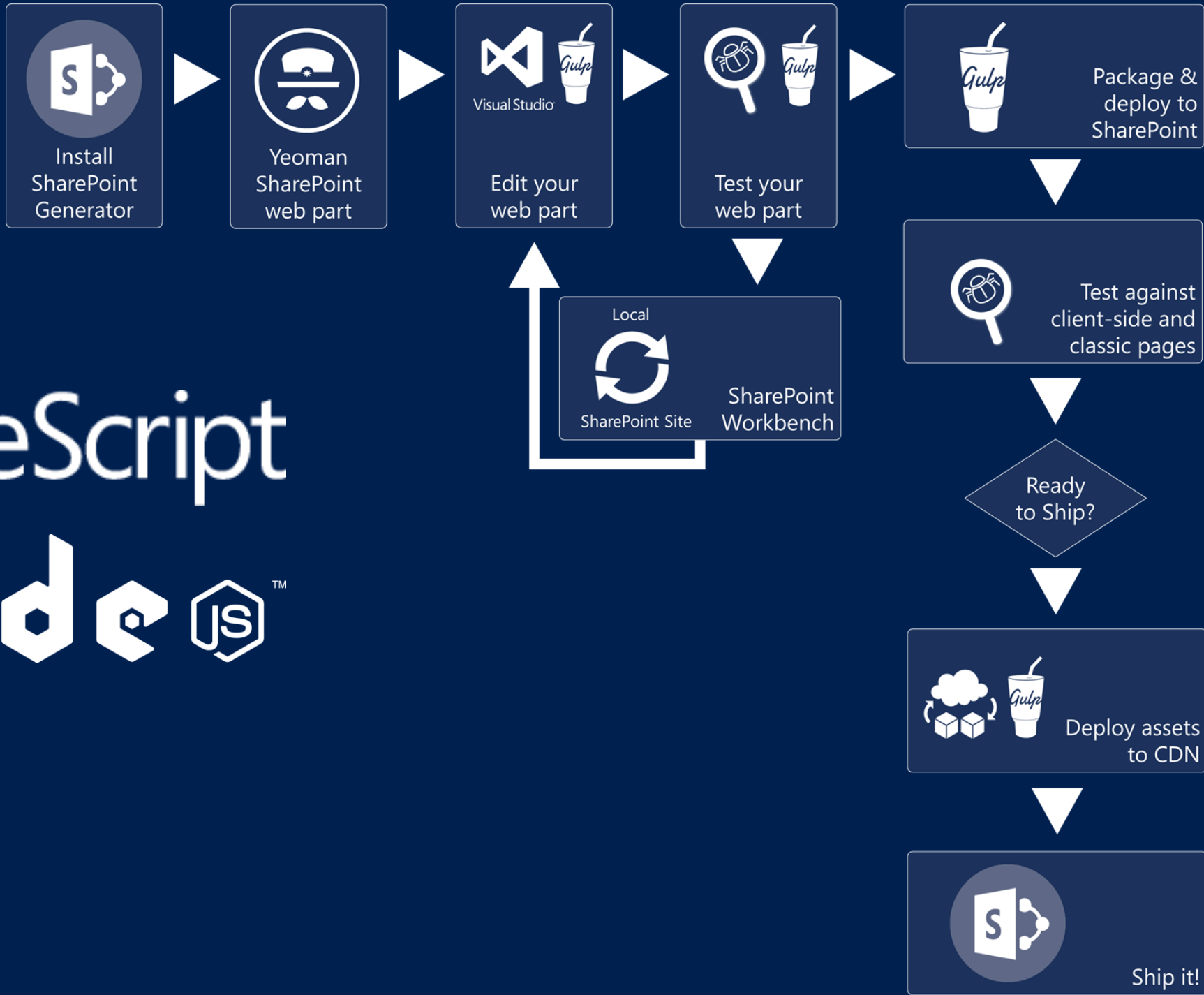
Ready
to Ship?



Deploy assets
to CDN



Ship it!



TypeScript

node JS™

Demo

SPFx HelloWorld Web Part, Connect it to SharePoint

Demo

SPFx Web Part with JQueryUI Accordion

Demo

SPFx Web Part with Office UI Fabric React components

Demo

Provisioning assets from SPFx solution

Demo

Deploy to Office 365 CDN

Announcement

Web part to web part connections

Communicate between multiple web parts in a page through SharePoint Framework...

SharePoint Framework Web Part Events

Client side web part can subscribe to events from the SharePoint Framework either using event name or by using instance identifier of event originator.

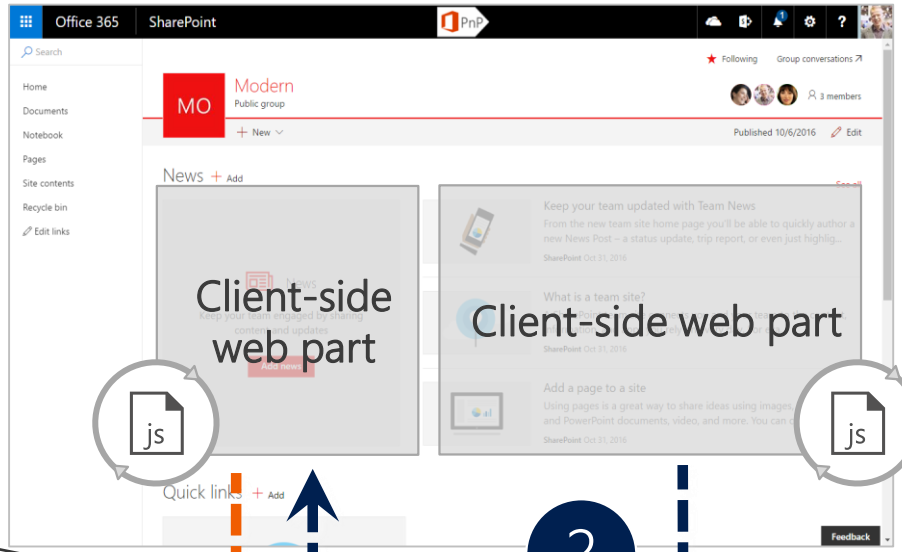
1

<<Subscribe>>



2

<<event>>



Web part raises an event towards SharePoint Framework. SharePoint Framework will handle notification flow towards other web parts (subscribers) in the page.

SharePoint Framework

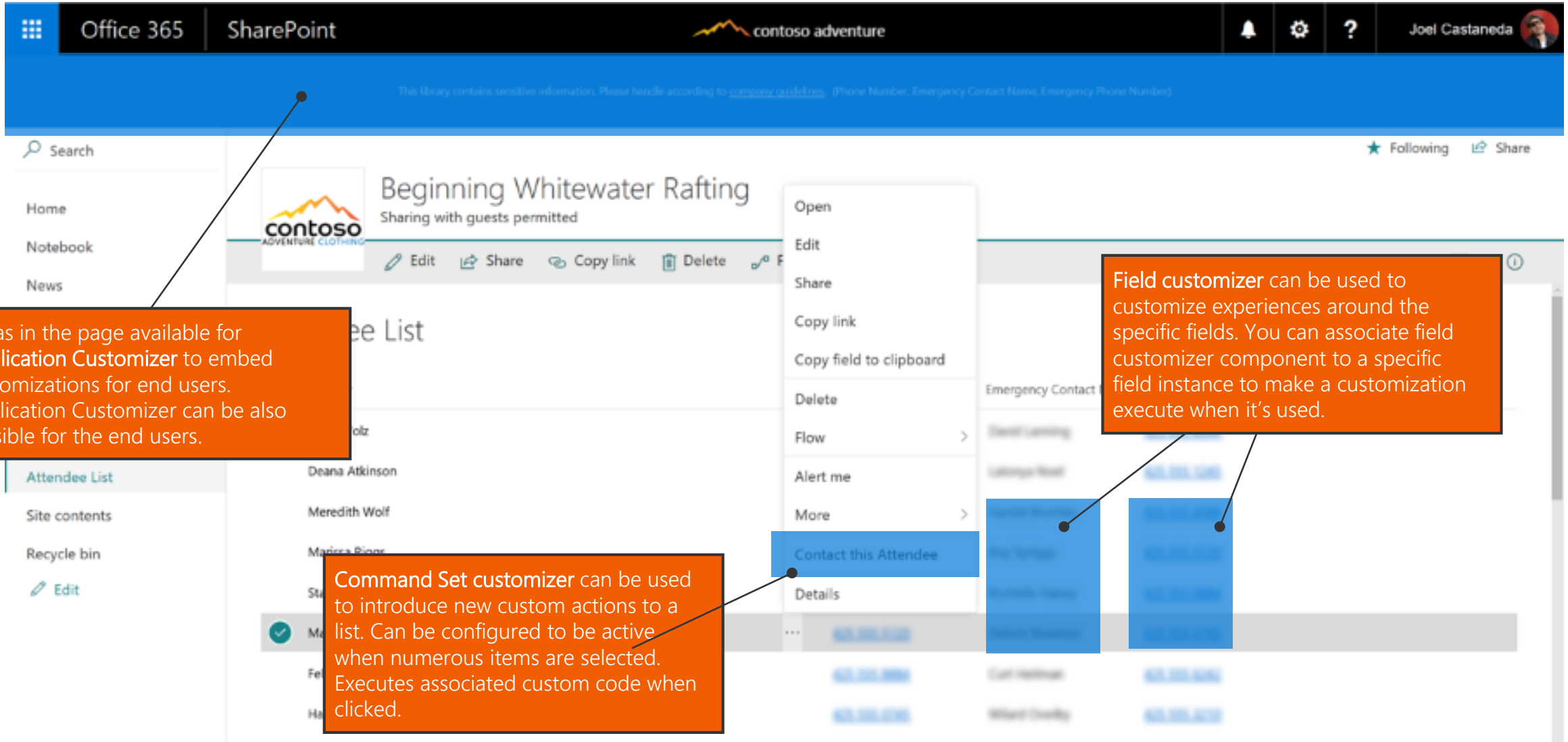


Announcement

SharePoint Framework Extensions

Customize your SharePoint experience by embedding custom JavaScript on pages by using SharePoint Framework

SharePoint Framework extensions in SharePoint page



SharePoint Framework Extensions

Application customizer to embed JavaScript cross all pages in a scope

Command set customizer for embedding JavaScript related on action buttons

Field customizer to embed JavaScript code for field specific UI rendering

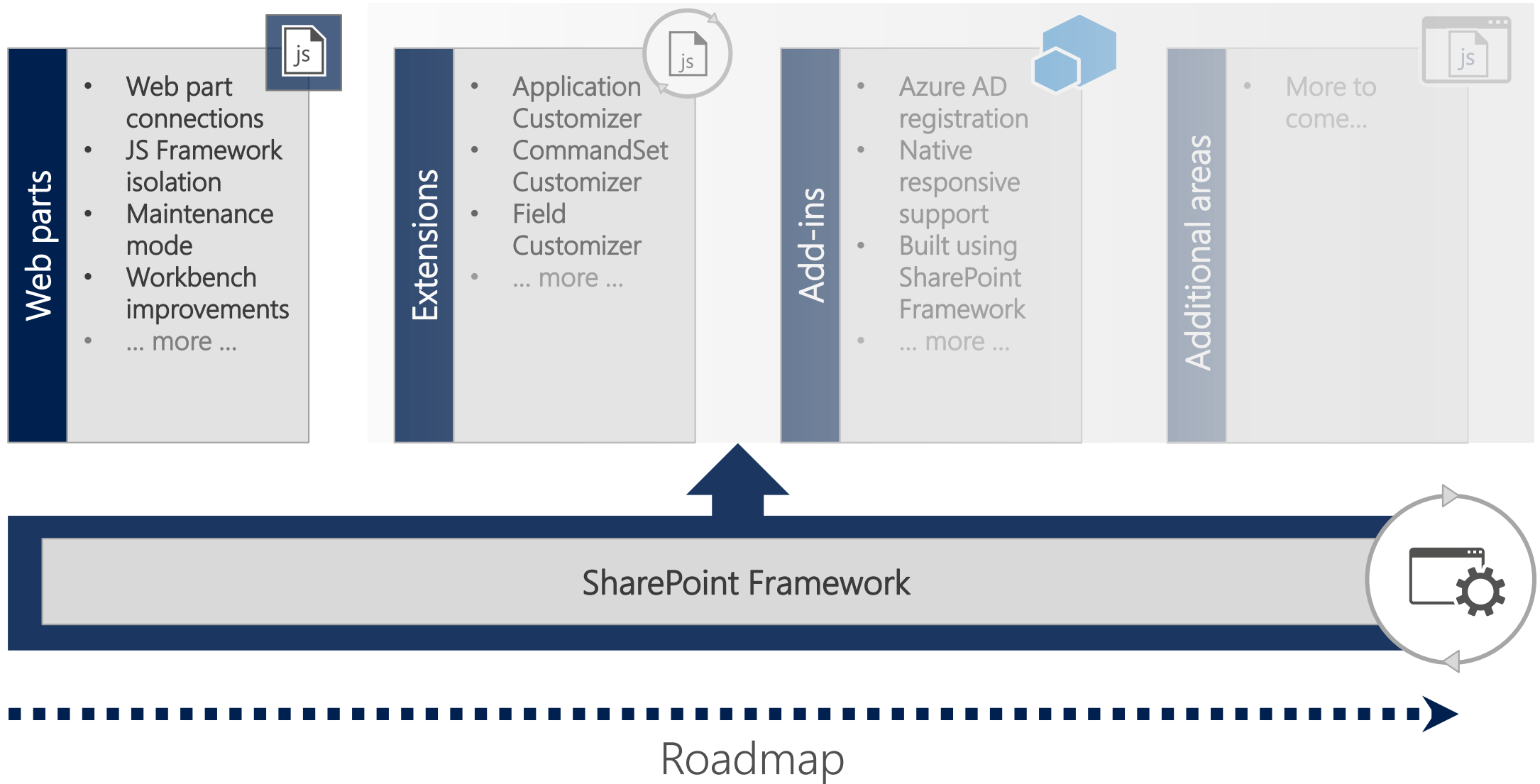
* Additional known elements in a page to provide custom experiences, like with header

Announcement

OpenId Connect support for 3rd
party solutions

*Call easily other services hosted in Office 365
without complexity of additional consent.
Gradual extension of capabilities.*

SharePoint Framework Roadmap



SharePoint Framework Extensions Dev Preview

Coming soon...

Capabilities

- Application Extensions
- Command Set Extensions
- Field Extensions

What's included?

- New Yeoman templates
- Updated documentation
- Tutorials and labs



Road map CY17

Spring

- SharePoint WebHooks GA
- SharePoint Framework GA
- SharePoint Sites on Microsoft Graph GA
- Web part connection Preview
- SharePoint Framework Extensions Preview

Fall

- SharePoint Extensions GA
- Web part connection GA
- Native Graph access from SharePoint Framework
- ALM APIs
- SharePoint Framework Web Parts on-premises as part of FP2





Sharing is caring...

Code samples

Reusable components

Guidance documentation

Community calls

SharePoint Framework

SharePoint add-ins

Remote API models with
SharePoint development

<http://aka.ms/SharePointPnP>





Q&A



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