

OpenUI5 Road Map

September 2019

PUBLIC



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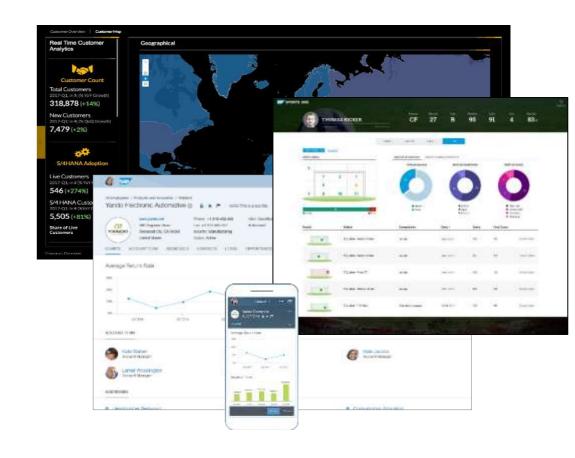
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OpenUI5

Product description

OpenUI5 is an open source client-side JavaScript framework designed to build cross-platform, responsive, enterprisegrade Web applications. It is the leading UI technology of SAP's user experience strategy.

- Rich set of extensible and theme-able UI controls ensuring consistent user experience across solutions
- Facilitation of efficient development for designing Web applications
- Fulfills the SAP product standards
- Released under the Apache 2.0 license

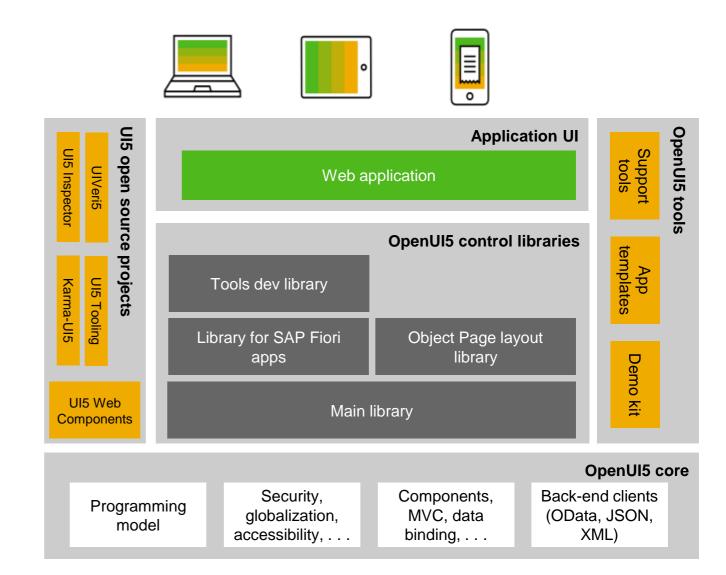


OpenUI5



Key capabilities

- The core serves as the foundation and simplifies Web development.
- OpenUI5 offers ready-to-use UI controls ranging from basic elements to complex UI patterns. Apps benefit from a consistent design language and coherent UX patterns known as SAP Fiori.
- Various tools complement the framework. They assist in building and testing apps as well as diagnosing and resolving issues.
- Besides the tools integrated into the OpenUI5 SDK there are other UI5 open source projects to support the efficient development of web applications.



OpenUI5 core

Product road map overview – Key innovations

Recent innovations

Modular core

 Further modularize, refactor, and modernize the core code base

Programming model

 Declaratively require modules in XML views and fragments

OData V4 model

- Improve data access in controller code (part 2)
- Case-insensitive filtering

Planned Q4/2019¹

Modular core

 Additional complementary asynchronous APIs

Programming model

- Initial support for shortcuts (commands)
- Improve OData V2 message handling

OData V4 model

- Deferred delete
- Support for analytical table: Filtering before aggregation
- Server-driven paging

Planned Q1/2020

Modular core

Consolidated feature configuration

OData V4 model

- Error messages in changesets
- CRUD (create-read-update-delete) for collections in transient entities
- Masking of sensitive data
- Support for analytical table
- Visual grouping
- Multiunit handling

Product direction¹

Modular core

- Startup bundling for self-contained apps
- Advanced bundling through code splitting
- Extended universal core w/o dependencies to DOM/jQuery

Programming model

- Enable use of XML templating with routing
- Managed object model (public)

OData V4 model

- Tree support
- Start adopting OData V4.01
- Support for analytical table
 - Automatic type detection for aggregates
 - "Others" section for chart

^{1.} This is the current state of planning and may be changed by SAP at any time without notice.

Product road map overview – Key innovations (1/4)

Recent innovations

Planned Q4/2019¹

Planned Q1/2020¹

Product direction

General UI control aspects

 Provide semantic rendering for UI5 basic controls

General UI control aspects

- Provide semantic rendering for UI5 complex controls
- Theming
 - SAP Fiori 3 High Contrast Black theme
 - SAP Fiori 3 High Contrast White theme
- Accessibility
 - Add aria-roledescription
 - Keyboard shortcuts support
 - Various enhancements

General UI control aspects

- Provide semantic rendering for UI5 controls
- Theming: SAP Fiori 3 dark theme
- Adjust controls for SAP Fiori 3 dark theme usage
- Accessibility
 - Keyboard shortcuts support
 - Various enhancements

General UI control aspects

 Theming: SAP Fiori 3 dark theme round-offs

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Product road map overview – Key innovations (2/4)

Recent innovations

Planned Q4/2019¹

Planned Q1/2020¹

Product direction¹

Layouts, floorplans, frameworks

Cards

- Card explorer
- Improved performance and flexible resource loading (baseURL)

Layouts

- Dynamic page: Embed tabs in header content
- Grid layout
 - Drag-and-drop enhancements
 - Improved support for FLP and (old) tiles
 - Performance optimization
 - Grid list: Selection mode

Floorplans

- Object page
 - Merge section/subsection with title and toolbar in case of only one type of content
 - Optimize subsection toolbar behavior
- Wizard: Visual indication for validated steps

Tool purposes

Block layout: Enhance data binding

Layouts, floorplans, frameworks

Cards

- Widgets and cards interoperability
- Basic design-time support
- Consume cards through custom element
- Calendar card

Floorplans

- Object page
 - Semantic object page

Tool purposes

Responsive splitter: Paginator capability

Layouts, floorplans, frameworks

Cards

- Cashing and preview modes
- Support resize of cards

Layouts, floorplans, frameworks

Cards

New card types based on feedback

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Product road map overview – Key innovations (3/4)

Planned Q4/2019¹

Basic UI elements

Display

Object status: Accessibility enhancements

Loading

Busy indicator: Redesign based on SAP Fiori 3

Messaging

Message box: SAP Fiori 3 adjustments

User input

- Align behavior of input controls (round-offs)
 - Search field: Adjustment in suggestions and value state
 - Mobile full-screen dialogs alignment
- (Multi) combo box:
 - Multiline support for value state in dropdown
 - Value state multiline support
- Dialogs: Full screen on mobile
- Search field: Handling and semantic color
- (Table) select dialog
 - Remember selection option
 - Drag and resize option
- Switch: visual redesign based on SAP Fiori 3

Toolbar

- Responsiveness enhancement when spacer is used in the toolbar
- 1. This is the current state of planning and may be changed by SAP at any time without notice.

Planned Q1/2020¹

Basic UI elements

Display

- Access truncated text for label, text, and title controls
- Avatar group control (new)

Popover

Quick view: Handling long texts

User input

- Align behavior of input controls
 - Auto completion: Provide remove option for second column of suggestion
 - Suggestion usability enhancements
- Value state text of inputs
 - Emphasize text
 - Insert link
- Slider: Vertical alignment

*Also valid for OpenUI5

Product road map overview – Key innovations (4/4)

Recent innovations

Planned Q4/2019¹

Planned Q1/2020¹

Lists and tables

List

Range selection

Table

Analytical table: Expand all

Grid table: Multi selection plug-in

• Responsive/tree: Range selection

Scheduler

Date-time input

- Extend date picker to be month/year picker
 - Optimize year picker for mobile
 - Alternative date confirmation toolbar
- Date picker: UX alignment with month/year picker concept
- Planning calendar
 - Alignment of header with SinglePlanningCalendar
 - Provide content aggregation for row header (experimental)
- Single planning calendar
 - Desktop / mobile month view
 - Support for working hours
- Unified calendar
 - Multiple months navigation by one month only

Lists and tables

List

Highlighting of a single row

Table

- Highlighting of a single row
- Messaging support

Scheduler

Date-time input

- Date picker: Handling of year 0
- Planning calendar
 - Enable custom colors for special dates
 - Expose row header to be reachable from outside

Lists and tables

Table

Analytical table: Support OData V4

Scheduler

Date-time input

Fiscal year picker

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OpenUI5 tools and documentation

Product road map overview – Key innovations

Recent innovations

Planned Q4/2019¹

Planned Q1/2020¹ Product direction

Support assistant

 Consumption support and rule set expansion

Demo kit

- Search engine optimization
- SAP Fiori 3 redesign
- Enhance overflow toolbar samples
- Improve single planning calendar samples

Documentation

- New semantic colors samples for input controls
- SAP Fiori 3 documentation

Support assistant

 Consumption support and rule set expansion

UI5 Inspector

New release, support of OData

Demo kit

- Modularization
- UI5 web component-based demo kit

Documentation

- Improve documentation based on feedback
- Update documentation on control lifecycle
- Update documentation on laying out

Support assistant

- Recording of app data
- Consumption support and rule set expansion

Demo kit

- Provide edit capabilities in code samples
- Modularization

Support assistant

 Consumption support and rule set expansion

Demo kit

Improve user experience based on feedback

Documentation

 Improve documentation based on feedback

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OpenUI5 – Complementary open source projects

Product road map overview – Key innovations

Recent innovations

Planned Q4/2019¹

Planned Q1/2020¹

Product direction¹

UI5 Web components

- Enable authoring
- Documentation and tutorials
- Enhance the playground
- SAP Fiori 3 sample app
- Extend components set (busy indicator, batch, and others)
- Enhancements based on feedback

UI5 tooling

- Enhance extensibility and flexibility
- Integration of initial features into SAP Web IDE

UIVeri5

Test snippet generation

UI5 Web components

- Enhancements based on feedback
- Extent component set based on feedback
 - Tree
 - Calendar
- Time picker
- Screen reader support enhancements
- Enable extensibility
- Documentation, tutorials, and best practice apps

UI5 tooling

Proxy support

UIVeri5

Usability improvements

UI5 Web components

- Integration with OpenUI5
- Enhancements based on feedback
- Extent component set based on feedback: DateRange selection
- Integration with SAP Web IDE

UI5 tooling

 Integration of more advanced features into SAP Web IDE

UIVeri5

Usability improvements

UI5 Web components

Enhancements based on feedback

UI5 tooling

Mock server for OData V4 model

UIVeri5

Usability improvements

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