



OpenUI5 Road Map

June 2019

PUBLIC

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About SAP road maps

Companies today are planning their digital journeys – transforming business models, reengineering business processes, and reimagining work.

SAP road maps highlight innovations that may help you plan and implement your digital journey. They span products relevant to lines of business in your industry and explain how our innovations may add value to your business.

In our road maps, you can learn about our innovations along four different timelines:

1. **Recent innovations** for our products that have been launched in the past weeks or months and can already be purchased
2. **Planned innovations** for our products that are intended to be launched in the short term or midterm
3. **Product direction**, providing a long-term perspective on high-level development plans for innovations for our solutions – inspired by your requirements
4. **Product vision**, providing a high-level and long-term business perspective on innovations for our products

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Product overview

- Product description
- Product portfolio

Vision and direction

- Key trends, customer needs, and customer needs
- Product areas of future investment
- Major updates on maintenance strategy
- Upcoming short-term and midterm innovations

Product innovations

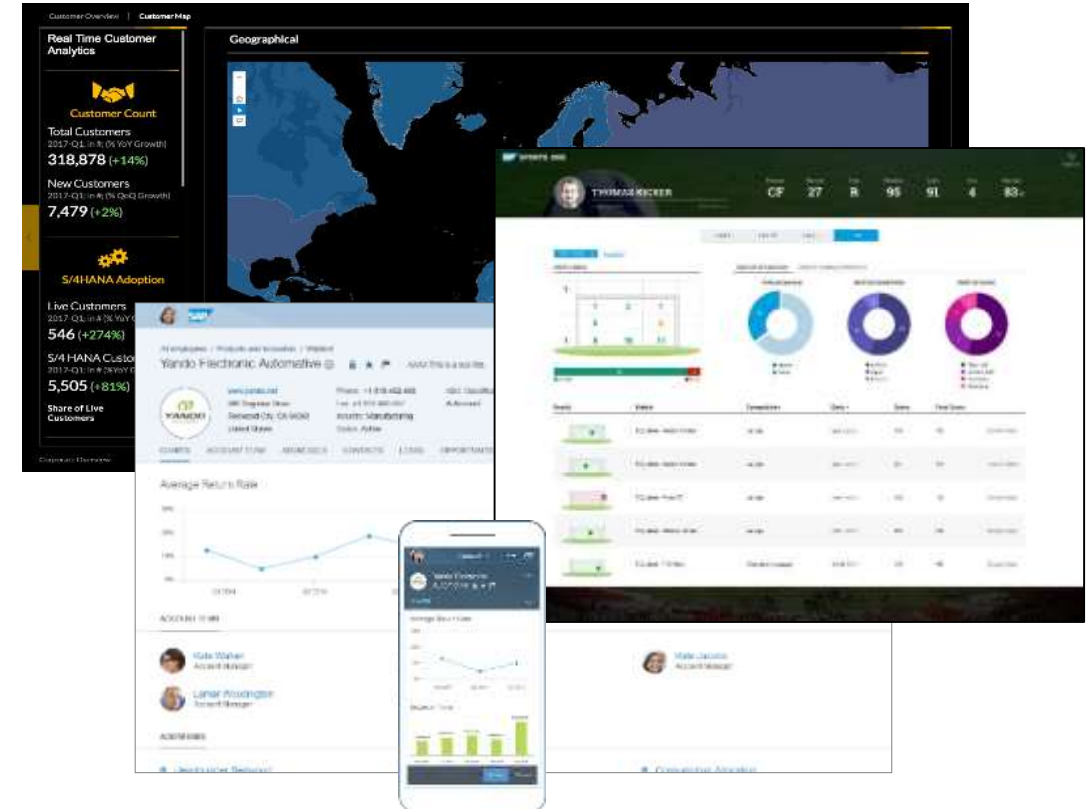
- Detailed innovations

OpenUI5

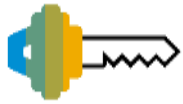
Product description

OpenUI5 is an open source HTML5 framework designed to build cross-platform, responsive, enterprise-grade applications. It is the leading UI technology of SAP's user experience strategy.

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

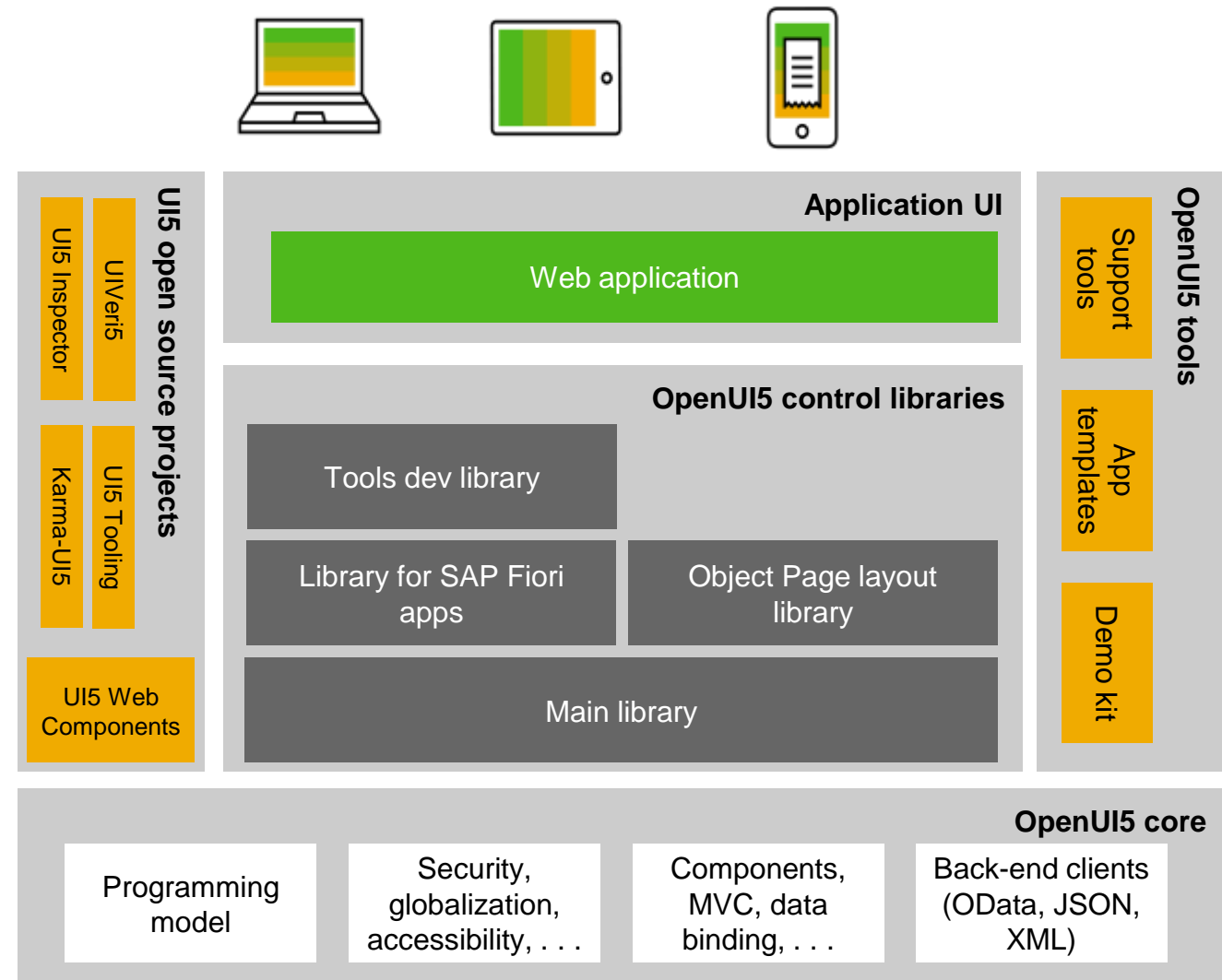


OpenUI5



Key capabilities

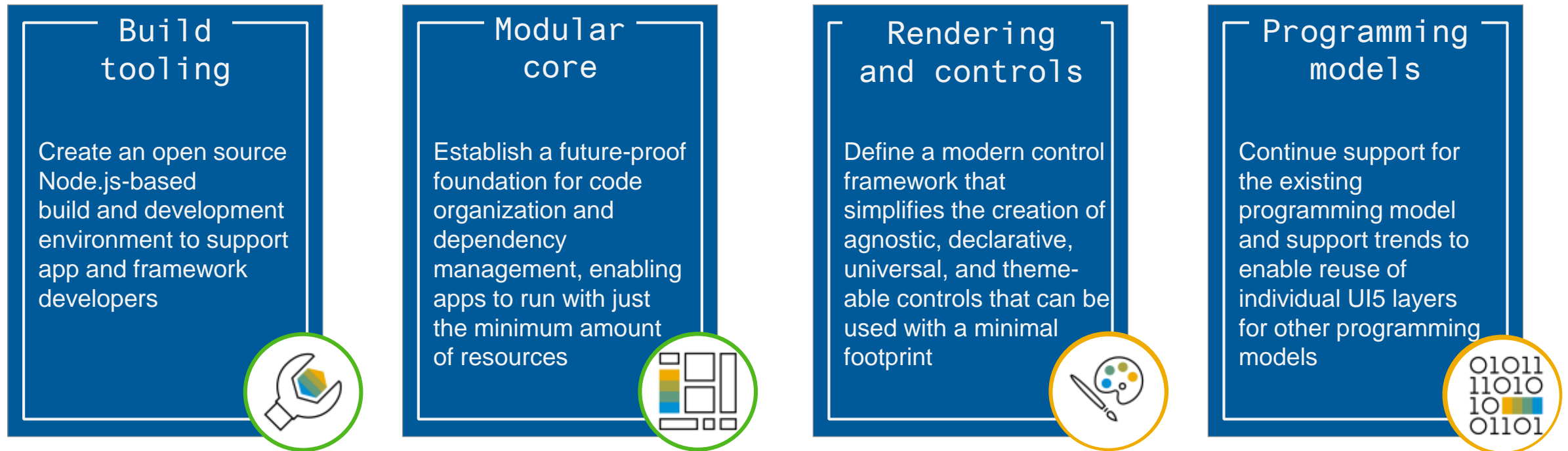
- **The core** serves as the foundation and simplifies Web development.
- OpenUI5 offers ready-to-use **UI controls** ranging from basic elements to complex UI patterns. Apps benefit from a consistent design language and coherent UX patterns known as SAP Fiori.
- Various **tools** complement the framework. 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

Upcoming short-term and midterm innovations

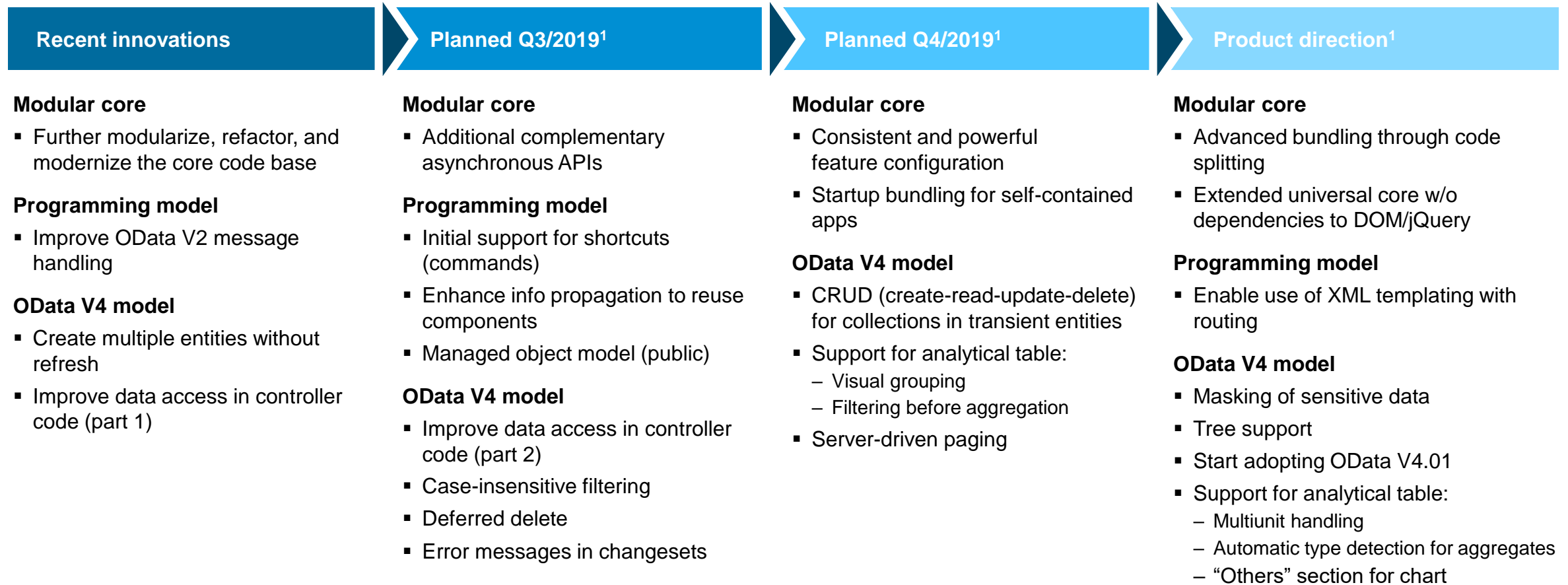
The UI5 Evolution project solves today's problems with being monolithic and the need for advanced framework, controls, and tooling by splitting the core, the rendering and controls, and the programming model into individual layers and enabling individual consumption.



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OpenUI5 core

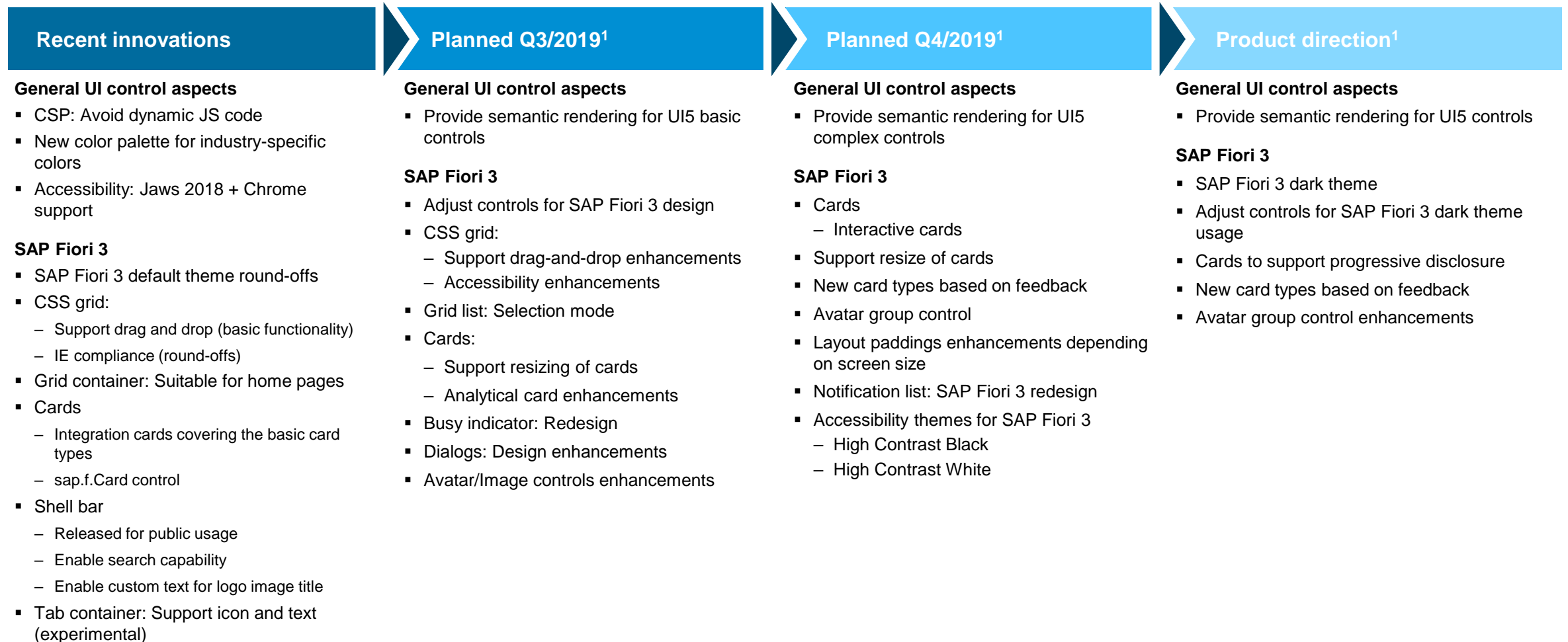
Product road map overview – Key innovations



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OpenUI5 rendering

Product road map overview – Key innovations (1/6)



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OpenUI5 rendering

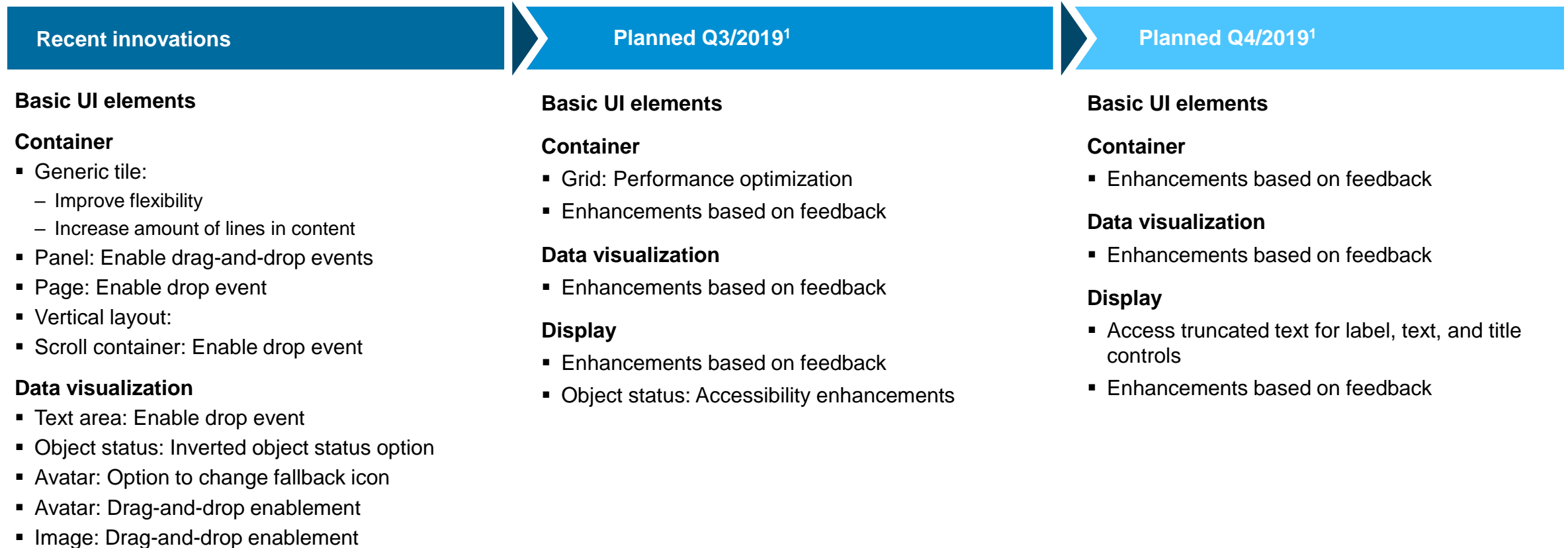
Product road map overview – Key innovations (2/6)

Recent innovations	Planned Q3/2019 ¹	Planned Q4/2019 ¹
Layouts, floorplans, frameworks Layouts <ul style="list-style-type: none">▪ Dynamic page:<ul style="list-style-type: none">– Improve UX for expanding/collapsing header– Enable sticky header content so tabs navigation is always visible▪ Page (sap.m): Enable drop event Floorplans <ul style="list-style-type: none">▪ Object page:<ul style="list-style-type: none">– Performance optimization through use of async views– Alignment with dynamic page: Snap header without scroll– Enhanced header design▪ Comparison pattern:<ul style="list-style-type: none">– New pattern to compare objects is added as sample in demo kit▪ Wizard:<ul style="list-style-type: none">– Enable drop event	Layouts, floorplans, frameworks Layouts <ul style="list-style-type: none">▪ Dynamic page: Embed tabs in header content Floorplans <ul style="list-style-type: none">▪ Object page:<ul style="list-style-type: none">– Merge section/subsection with title and toolbar in case of only one type of content– Optimize subsection toolbar behavior▪ Wizard:<ul style="list-style-type: none">– Visual indication for validated steps▪ Comparison pattern: Enhancements based on stakeholders' feedback Tool purposes <ul style="list-style-type: none">▪ Block layout: Enhance data binding	Layouts, floorplans, frameworks Layouts <ul style="list-style-type: none">▪ Dynamic page:<ul style="list-style-type: none">– Animations enhancements– Header enhancements Floorplans <ul style="list-style-type: none">▪ Object page:<ul style="list-style-type: none">– Semantic object page– Subsection toolbar enhancements– Header enhancements▪ Wizard: Enhance animations▪ Comparison pattern: Enhancements based on stakeholder's feedback Tool purposes <ul style="list-style-type: none">▪ Responsive splitter: Paginator capability

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OpenUI5 rendering

Product road map overview – Key innovations (3/6)



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OpenUI5 rendering

Product road map overview – Key innovations (4/6)

Recent innovations

Messaging

- Message strip: Enable drag event

Toolbar

- Overflow toolbar: Separators can go into overflow menu

User input

- Align behavior of input controls (round-offs):
 - Value state multiline
 - Suggestion highlighting
 - Provide property for min idwth
 - Suggestion popover unification
- Multi-input and multicombo box:
 - Enable drop event
 - Enhance accessibility
- Combo box and multicombo box: Suggestion list performance optimization
- Select:
 - Introduce value state enhancement
 - Enable drop event
- Radio button:
 - Enable drag event
 - Use SVG for rendering

Planned Q3/2019¹

Messaging

- Message box: SAP Fiori 3 adjustments

Toolbar

- Responsiveness enhancement when spacer is used in the toolbar

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
- Search field: Handling and semantic color
- Select dialog and table select dialog:
 - Remember selection option
 - Drag and resize option
- Combo box and multicombo box: Value state multiline support
- Popover: UX enhancements
- Dialogs UX enhancements: Full screen on mobile

Planned Q4/2019¹

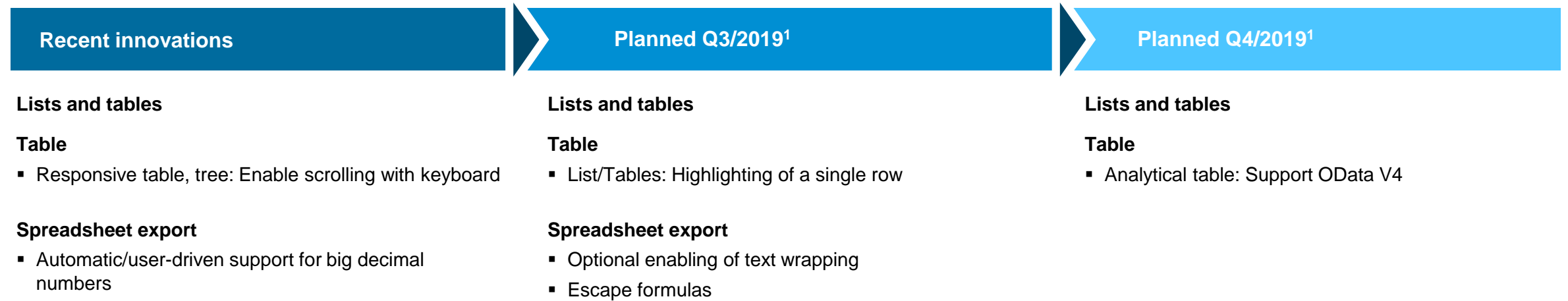
User input

- Align behavior of input controls
 - Autocompletion: Provide remove option for second column of suggestion
 - Suggestion usability enhancements
 - Autocomplete enhancements
- Value state text of inputs:
 - Emphasize text
 - Insert link
- Slider: Vertical alignment
- Quick view: Handling long texts

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OpenUI5 rendering

Product road map overview – Key innovations (5/6)



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OpenUI5 rendering

Product road map overview – Key innovations (6/6)

Recent innovations

Date-time input

- Single planning calendar:
 - Working hours visualization
 - Long titles/subtitles in appointments
 - Support of special days
 - Month view
 - Drag-and-drop support (create and resize appointment)
 - Creating appointments with keyboard (through interactive grid)
 - Visual improvement arrow indication for appointment longer and continues outside the visible area
 - Support of long text in appointments
 - Custom view support
 - Integration with planning calendar legend
 - Indication of special days in planning calendar legend
 - Content aggregation for PCRowHeader (experimental)

Planned Q3/2019¹

Date-time input

- Month/year picker
- Date picker: UX alignment with month/year picker concept
- Planning calendar:
 - Grouping
 - Enable interval headers in all views
- Single planning calendar:
 - Desktop month view
 - Mobile month view
 - Support for working hours

Planned Q4/2019¹

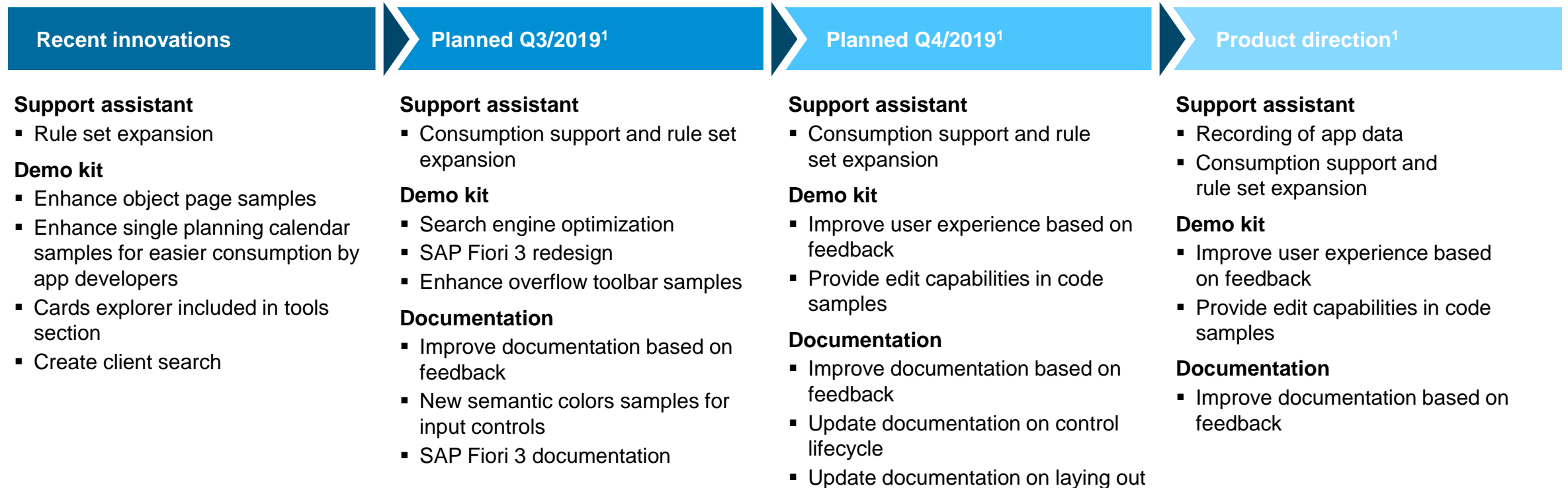
Date-time input

- Planning calendar:
 - Pin rows
 - Header alignment according to one-person calendar UX definition
 - Enable interval headers in all views
 - Expose row header control as public API
 - Enable custom colors for special dates
- Unified calendar:
 - Multiple months
 - Navigation by the month
- Date picker:
 - Handling of year 0

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OpenUI5 tools and documentation

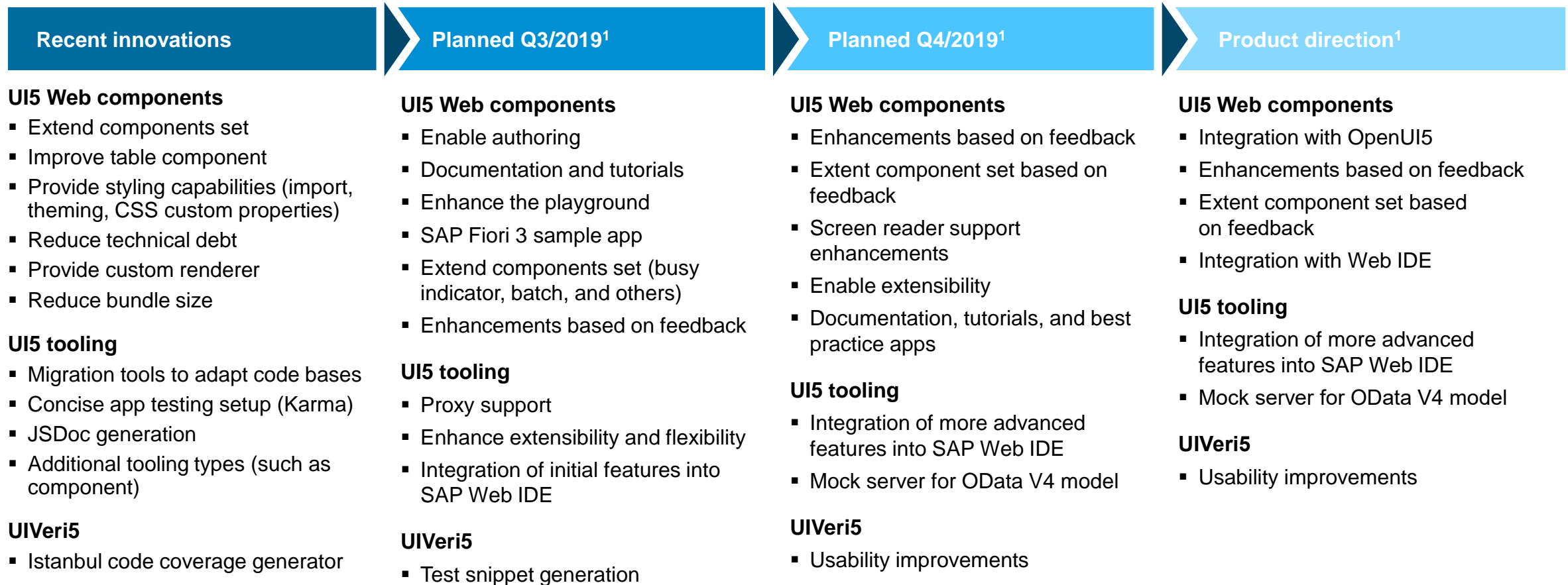
Product road map overview – Key innovations



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OpenUI5 – Complementary open source projects

Product road map overview – Key innovations



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Related road maps

OpenUI5 has intersections with the following solutions.

Related product road maps available on sap.com/roadmaps:

- SAPUI5
- SAP Fiori
- SAP Web IDE
- SAP Cloud Platform
- SAP Gateway



Thank you.

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