Category	SAP Screen Personas*	ITS Mobile	MIT (Mobile Inventory Templates)
Architecture	GUI customization layer that runs in SAP Web GUI and simplifies classic SAP screens. **Can't alter business logic or enable new workflows.**	Web-based rendering of legacy SAP RF (LM*) transactions using SAP GUI for HTML. **No ability to customize logic, screens, or workflow structure.**	SAP-native mobile solution built on SAPUI5. **Enables simplified, fully integrated, task-specific workflows with direct backend interaction.**
Device Support	**Desktop-focused**. Can run on mobile browsers but isn't optimized for touch input or rugged handhelds. No gesture support, small tap targets, and rendering issues on some mobile browsers (especially Android).	**Built for legacy handhelds with keypads**. Runs in a browser on mobile devices but lacks touch optimization, responsive layout, or support for modern hardware interaction.	**Fully touch-enabled and optimized for Android, iOS, and Windows**. Mobile-friendly layout, responsive design, large tap targets, and seamless hardware integration (barcode scanners, cameras, etc.).
Offline Capability	**None**. Requires a stable connection to SAP GUI for HTML. Any network interruption during a transaction will result in session loss and force the user to start over.	**None**. Requires constant connectivity. Any network interruption during a transaction will cause session loss and force users to restart.	**Built-in offline** and connection persistence. Users can complete tasks, even if disconnected.
Mobile User Experience	Simpler SAP GUI screens but still presents field-heavy layouts and requires users to understand SAP transactions. **No gesture support or mobile-native UI components** (e.g., pickers or dropdowns).	**Text-based, field-driven UI**. Navigation via function keys or screen taps. No workflow guidance. User must know SAP movement types and flow.	**Lightweight, intuitive, task-oriented UI built for speed and ease**. Mobile-friendly controls, native dropdowns and pickers, scan-to-action workflows, and auto-advance on input—no need for SAP transaction code knowledge.
Barcode Scanning	**Limited and browser-dependent.** Scanning input is treated like manual keyboard entry, often requiring users to click into the correct field. No scan-to-action or auto-advance logic. Workflows are not streamlined for warehouse use.	**Basic scan field inputs with limited workflow integration.** Requires manual field focus and is prone to errors in browser-based environments.	**Fully optimized with direct scanner integration for high-volume operational environments.** Provides scan-to-action logic, auto-navigation between fields and steps, error prevention, and minimal user input.
Deployment Scope	Per-user screen personalization. **Each transaction must be manually adapted**; cannot combine steps or build guided workflows across tasks.	**Limited to SAP's out-of-the-box LM* transaction scope.** No packaged templates. Each enhancement requires development.	**Prebuilt, fully configurable templates that support guided, end-to-end workflows**—adaptable across IM, WM, and EWM with rapid time to value.
Customization	**Surface-level personalization:** hide fields, change labels, rearrange elements. Cannot create new workflows—only simplifies existing transactions.	**Limited flexibility.** Hard-coded SAP RF transactions (e.g., LM01, LM07). Requires ABAP changes to modify logic or structure.	**Deep customization is possible**. Screens, business logic, validations, and multi-step workflows can be tailored to real operational processes.
Future-Readiness	Built on SAP GUI technology. **Will require significant effort to evolve with SAP Fiori/UI5 strategy and S/4HANA roadmap.**	**Supported in S/4HANA but not aligned with SAP's long-term UX strategy (Fiori/UI5)**. Built on SAP GUI for HTML, which SAP considers transitional. Commonly used by large SIs for its familiarity and speed, but modernization will eventually be required to stay aligned with SAP's evolving roadmap.	Built with SAP UI5 and Fiori design principles. **Fully aligned with SAP's long-term mobile and UX direction.**
Use Case Fit	**Designed for desktop-based users** who need to simplify SAP GUI transactions in office settings.	**Designed for legacy RF guns** in warehouses needing basic online SAP access. Not modern or user-friendly.	**Designed for warehouse workers and field teams using rugged devices** in remote, high-complexity environments where reliability, ease of use, and offline access are critical.
Best for	**Light UX enhancements for office users who stay in front of a computer.** Not intended for mobile-first use cases—limited touch optimization, no offline support, and no native integration with handheld or rugged devices. "Simplifying SAP GUI screens for occasional users working in office environments."**	**Basic online mobile access for warehouse users.** Relies on SAP's standard RF logic. Not suited for modern touch workflows, high-volume scanning, or environments with intermittent connectivity.	**Transforms warehouse execution with modern, mobile-first workflows and SAP-native integration.** Empowers warehouse and storeroom users to perform SAP transactions without needing SAP knowledge. Intuitive workflows aligned with real-world operational processes.

***Note on Slipstream Engine Plugin for SAP Fiori Launchpad:**

Some SAP Screen Personas deployments use Slipstream Engine to render a Fiori-style visual theme, especially in mobile browsers. While this improves the appearance, it does not change the underlying architecture or limitations. Personas with Slipstream is still SAP GUI for HTML at its core—there is no offline support, no native hardware integration (e.g., scanners, cameras), and no true mobile responsiveness. Visual enhancements do not equate to functional readiness for rugged or mobile-first environments.

****Source**: SAP Help Portal – SAP Screen Personas Overview

https://help.sap.com/docs/SAP_SCREEN_PERSONAS

Ranking SAP Warehouse Mobility Solutions: Personas vs. ITS Mobile vs. MIT

This analysis evaluates three SAP mobility options for warehouse and inventory operations—SAP Screen Personas, SAP ITS Mobile, and MIT (Mobile Inventory Templates)—across nine critical dimensions. Each solution was scored based on its technical foundation, alignment with SAP's roadmap, real-world usability, and suitability for modern warehouse environments.

Group / Criteria	Personas	ITS Mobile	SAP UI5 (MIT)
Architecture Underlying technical structure, integration with SAP systems, and scalability for mobile inventory operations	7	5	10
Key Evalulation Criteria			
Integration with SAP Backend Seamlessly integrates with SAP ECC, S/4HANA, or EWM, including support for OData services or direct SAP GUI access?			
Scalability and Performance: Able to handle large transaction volumes and multiple users in a warehouse environment?			
Mobile Optimization: Designed for mobile-first use, including responsiveness and lightweight processing?			
Maintenance Complexity: Effort required to maintain and update the system, including dependencies on legacy components?			
Architecture Grading Notes: SAP Screen Personas relies on SAP GUI with the Slipstream Engine for mobile rendering, which is less modern. SAP ITS Mobile uses an older HTML-based architecture, limiting performance and flexibility. SAP UI5 leverages a modern, web-based architecture with OData and SAP Fiori, optimized for mobile and scalable.			

Group / Criteria	Personas	ITS Mobile	SAP UI5 (MIT)
Device Support Compatibility with various mobile devices, operating systems, and screen sizes.	7	6	10
Key Evalulation Criteria			
Cross-Platform Compatibility: Supports iOS, Android, and Windows devices that are commonly used in warehouses?			
Responsive Design: Adapts well to different screen sizes (e.g., smartphones, tablets, rugged devices)?			
Browser vs. Native Support: Browser-based, or does it support native app deployment for better performance and usability?			
Hardware Integration: Compatible with warehouse-specific hardware such as scanners, cameras, or rugged devices?			
Device Support Grading Notes: SAP Screen Personas (via Slipstream Engine) supports mobile devices but is less optimized. SAP ITS Mobile is limited to browser-based HTML rendering, with weaker device adaptability. SAP UI5 excels with responsive SAP Fiori apps, supporting multiple devices and browsers.			

Group / Criteria	Personas	ITS Mobile	SAP UI5 (MIT)
Offline Capability Support for operation in low- or no-connectivity environments, to maintain session and transaction persistence when coverage drops, is spotty, or is unavailable	1	1	9
Key Evalulation Criteria			
Offline Data Storage: Supports local data storage for inventory transactions during offline periods?			
Synchronization: Robust data sync mechanisms when connectivity is restored?			
Feature Availability Offline: Which inventory functions (e.g., scanning, data entry) remain available offline?			
Conflict Resolution: How well does the system reconcile offline transactions upon reconnection?			
Offline Capability Grading Notes: SAP Screen Personas has limited offline support, relying on browser-based rendering. SAP ITS Mobile typically lacks offline functionality, requiring constant connectivity. SAP UI5 can be extended with SAP Mobile Services for robust offline capabilities.			

Group / Criteria	Personas	ITS Mobile	SAP UI5 (MIT)
Mobile User Experience Intuitive, efficient, and truly beneficial interface for warehouse operators	4	2	10
Key Evalulation Criteria			
Ease of Use: Intuitive interface for casual or non-expert users performing inventory tasks?			
Fiori Design Principles: Adheres to SAP Fiori's role-based, simple, coherent, adaptive, and delightful guidelines?			
Navigation Efficiency: Can users easily navigate between tasks such as scanning, stock checks, or data entry?			
Visual Appeal: Has a modern look and feel that improves user adoption and satisfaction?			
User Experience Grading Notes: SAP Screen Personas simplifies SAP GUI screens but lacks the fluidity of Fiori. SAP ITS Mobile offers a dated, less intuitive HTML-based interface. SAP UI5, built on SAP Fiori, delivers a modern, role-based UX optimized for mobile users.			

Group / Criteria	Personas	ITS Mobile	SAP UI5 (MIT)
Barcode Scanning Ability to support barcode scanning, a critical feature for mobile inventory systems	2	3	10
Key Evalulation Criteria			
Native Scanning Support: Includes built-in barcode scanning via device cameras or external scanners?			
Scanner Compatibility: Supports warehouse-grade scanners (e.g., Zebra, Honeywell) and device cameras?			
Performance and Accuracy: Offers fast and reliable barcode scanning, especially for 1D and 2D codes?			
Ease of Integration: How much effort is required to configure or develop scanning functionality?			
Barcode Scanning Grading Notes: SAP Screen Personas supports scanning via Slipstream Engine but requires scripting. SAP ITS Mobile has basic scanning support but is less robust and harder to configure. SAP UI5 includes native barcode scanning controls and integrates well with external scanners.			

Group / Criteria	Personas	ITS Mobile	SAP UI5 (MIT)
Deployment Scope Ease, scale, and flexibility of deploying the solution across an organization	7	5	8
Key Evalulation Criteria			
Deployment Speed: How quickly can the solution be implemented for a mobile inventory system?			
On-Premise vs. Cloud: Supports on-premise, cloud, or hybrid deployments with SAP systems?			
Scalability Across Sites: Able to deploy it across multiple warehouses or regions?			
Licensing and Costs: What are the licensing requirements and deployment-related expenses?			
Deployment Scope Grading Notes: SAP Screen Personas is included in S/4HANA Cloud Public Edition, easing deployment but limited to SAP GUI scenarios. SAP ITS Mobile requires minimal setup but is constrained by legacy architecture. SAP UI5 supports rapid deployment with cloud and on-premise options.			

Group / Criteria	Personas	ITS Mobile	SAP UI5 (MIT)
Customization Flexibility to tailor the solution to specific inventory processes and user needs	7	4	9
Key Evalulation Criteria			
Ease of Customization: What tools (e.g., SAP Web IDE, Flavor Editor) and skills aer required for customization?			
Scope of Customization: To what extent can screens, workflows, or logic can be modified?			
Preservation of Business Logic: Does customizations maintain existing SAP business logic without extensive recoding?			
Development Effort: How much time and expertise (e.g., ABAP, JavaScript) are needed for customization?			
Customization Grading Notes: SAP Screen Personas provides drag-and-drop customization for SAP GUI screens with minimal coding. SAP ITS Mobile has limited customization, relying on HTML templates and ABAP. SAP UI5 offers extensive customization via SAP Web IDE and JavaScript, supporting complex workflows.			

Group / Criteria	Personas	ITS Mobile	SAP UI5 (MIT)
Future-Readiness Alignment with SAP's roadmap and ability to adapt to emerging technologies	6	3	10
Key Evalulation Criteria			
Alignment with SAP Strategy: Aligns with SAP's focus on Fiori, S/4HANA, and cloud-based solutions?			
Support for New Technologies: Compatible with AI, IoT, or advanced analytics for inventory management?			
Longevity and Updates: What is the solution's lifecycle, including frequency of updates and deprecation risks?			
Scalability for Future Needs: How adaptable is the solution to evolving warehouse requirements, such as automation?			
Future Readiness Grading Notes: SAP Screen Personas is relevant for legacy systems but less future-proof. SAP ITS Mobile is outdated, with limited investment in its roadmap. SAP UI5 is central to SAP's Fiori and S/4HANA strategy, with frequent updates and cloud integration.			

Group / Criteria	Personas	ITS Mobile	SAP UI5 (MIT)
Mobile Use Case Fit How well it addresses typical mobile inventory system requirements (e.g., stock checks, picking, transfers)	3	3	10
Key Evalulation Criteria			
Core Inventory Functions: Supports key tasks such as stock inquiries, goods receipt, and picking?			
Role-Based Functionality: Supports role-specific workflows for warehouse operators?			
Integration with EWM/WM: Comptabile with SAP EWM or WM for end-to-end inventory processes?			
Complex Process Support: How well does it handle advanced scenarios such as batch management or serial numbers?			
Use Case Fit Grading Notes: SAP Screen Personas is suited for simplifying specific transactions but less versatile. SAP ITS Mobile is limited to basic RF transactions, lacking flexibility for complex processes. SAP UI5 supports a wide range of inventory use cases via MIT apps and custom development.			

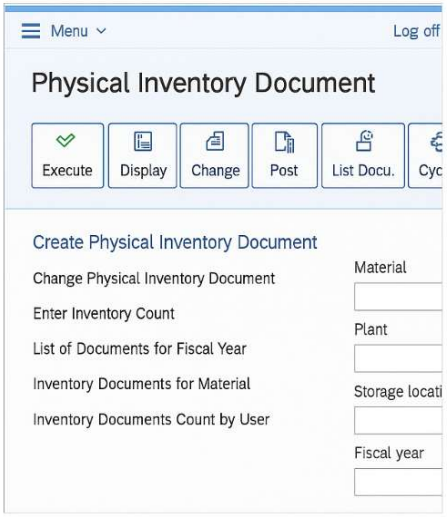
Group / Criteria	Personas	ITS Mobile	MIT (UI5)
Architecture	7	5	10
Device Support	7	6	10
Offline Capability	1	1	9
Mobile User Experience	4	2	10
Barcode Scanning	2	3	10
Deployment Scope	7	5	8
Customization	7	4	9
Future-Readiness	6	3	10
Use Case Fit	3	3	10
Total Score	44	32	86

*Scores based on 1-10 ranking with 1 being the lowest. Maximum score is 90

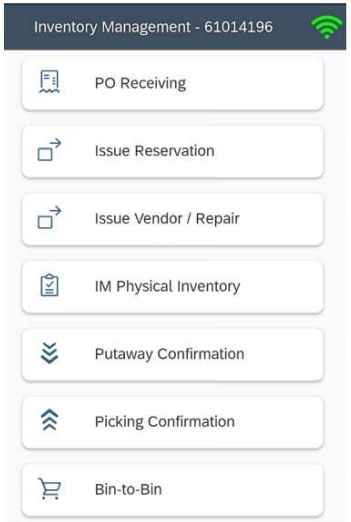
Ranking Rationale

SAP UI5 ranks highest, emphasizing its modern architecture, extensive device support, robust offline capabilities (via SAP Mobile Services), superior Fiori-based UX, native barcode scanning, flexible deployment, extensive customization, and alignment with SAP's future roadmap. SAP Screen Personas ranks second due to its ability to simplify SAP GUI screens and support mobile rendering via Slipstream Engine, but it's limited by its reliance on legacy infrastructure and weaker offline capabilities. SAP ITS Mobile ranks lowest due to its outdated architecture, limited customization, and lack of offline support, making it less suitable for modern inventory systems.

Personas Polished-GUI



MIT Dynamic Menu



Visual Compare

Havensight view: The menu'ing concept is lost with SAP Personas. However, in truth...

With SAP Screen Personas, the concept of a menu is still present, but it's limited in scope and requires significant effort to configure and maintain. Personas allows you to create simplified landing pages or tile-based menus that serve as shortcuts to classic SAP GUI transactions. These can be visually customized using Personas' editor to relabel buttons, rearrange elements, or hide unused fields. However, these menus are not dynamic, role-aware, or process-driven. They are fundamentally tied to the underlying SAP transaction model, meaning users still need to understand what transaction to launch, and in what order, to complete a task. Creating a truly user-friendly menu in Personas involves building and maintaining individual screen "flavors," scripting navigation logic, and manually configuring buttons and layout elements per role or use case. This becomes labor-intensive across large user bases or multiple warehouses—and even more challenging on mobile devices, where SAP GUI for HTML is not touch-optimized and lacks responsiveness.

In contrast, MIT provides a modern, mobile-first menu system that is dynamic, configurable, and fully integrated into the application. Users only see the functions relevant to their role, site, or assigned workflow. The menu is optimized for touchscreen navigation, with large buttons, intuitive groupings, and seamless transitions between steps—eliminating the need for SAP knowledge or menu-building effort. Instead of reinventing how users access SAP, MIT redefines the experience to match how warehouse and storeroom personnel need to work, so they can maximize efficiency, accuracy, and productivity.