



POC - Eşarj UI Library

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Objective

Creating the proof-of-concept for a frontend platform for building UI components and pages in isolation with testing and documentation capabilities.

Constraints

- React must be used as UI library with TypeScript.
- Ant Design can be used as React UI framework.
- Storybook must be used for creating the platform.
- Only “Functional Components” must be used.
- Components should be modular.
- Components must communicate only through their properties.
- Components must be able to work standalone.
- Components must be exportable standalone.
- Components can manage their own state via hooks.
- Prop-drilling is allowed during composition if necessary.
- Components must not contain business logic for processes like async data loading.

Evaluation Criteria

- Project structure.
- Component design.
- Composition.
- Code quality.

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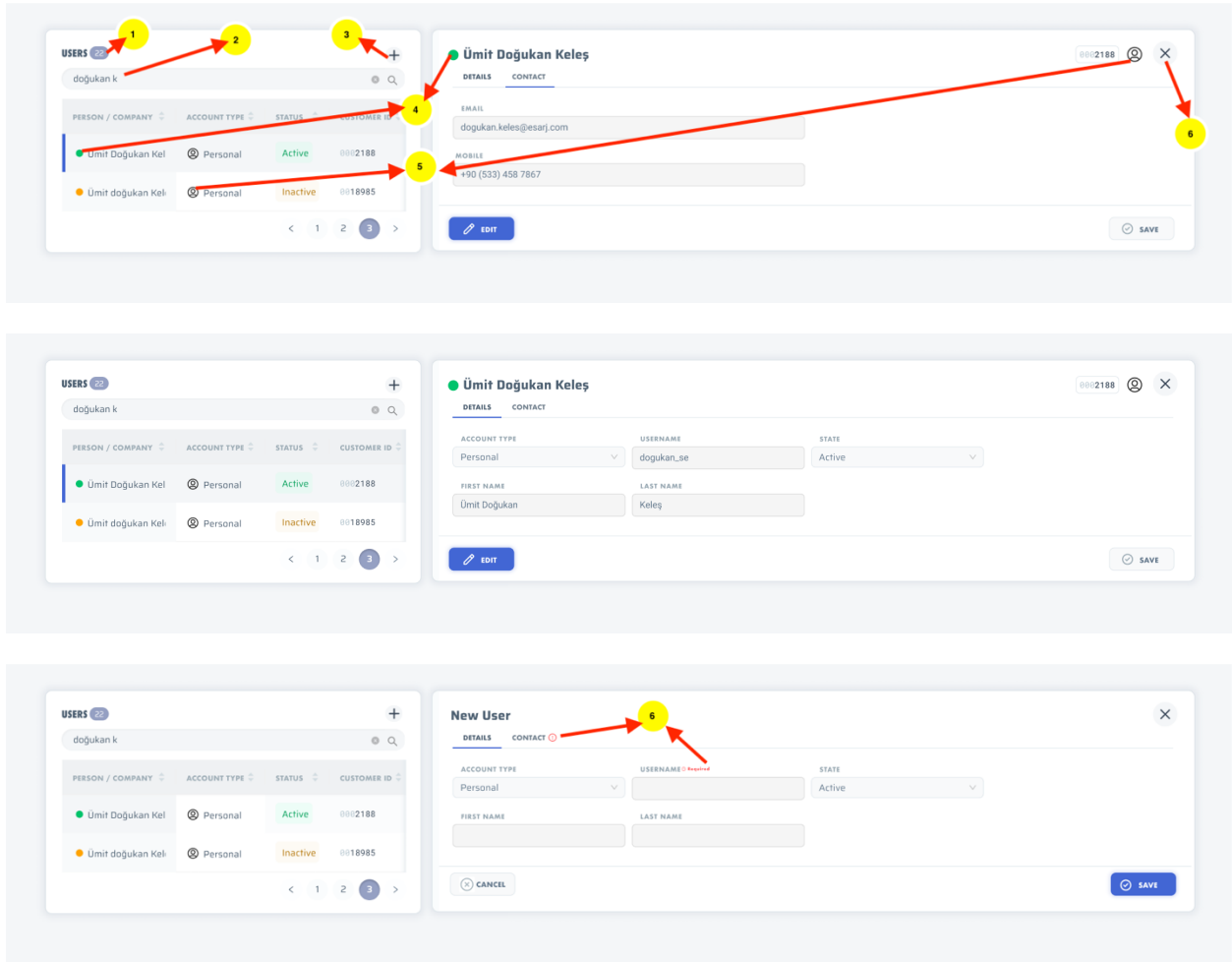
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Requirements

A page (see below 3 figures) which is a composition of multiple components will be implemented and presented via Storybook. This page will be used to create, update and list users.

Style coding doesn't have to be pixel perfect since shared figures are not.



Users will be listed as selectable items with pagination, sort and search support on the left and edit/new form on the right. When a form is closed list will be stretched to full width.

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When a user is selected edit form will be opened as shown in first two figures. Any “saved” changes on the forms will be reflected to list. Edit form will be opened as read-only and can only be edited after “Edit” button is clicked. “Edit” button will become “Cancel” button after click and if “Cancel” button is clicked any unsaved changes will be reverted. When “Save” button is clicked it will be disabled and loading indicator will be showed until process is completed (a delay can be applied for presentation). Validation and formatting will be used on forms as described:

1. Details
 - a. Account Type: Personal / Corporate, required select box.
 - b. Username: Alpha numeric, required, min length 4 text box.
 - c. State: Active / Passive, required select box.
 - d. First Name: Only word characters, min length 2 text box
 - e. Last Name: Only word characters, min length 2 text box
2. Contact
 - a. Email: Valid email, required text box
 - b. Mobile: Numeric only, required text box. Will be formatted as typed as shown in figure.

If there is any validation errors form must not be submitted (save button can also be disabled). Validation must be checked across both tabs. Focused tab should show errors above form elements and the other tab near tab label.

Above rules also apply to “New User Form” shown in third figure.

Bullet points:

1. Total number of users after search.
2. Search box with debounce can be cleared using button on the right.
3. Button which clears user selection on the list when clicked and opens “New User” form.
4. A bullet that indicates user’s state.
5. An icon that indicates user’s account type.
6. Validation error indicators.

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