

Visual Stylist

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Product Scope, Product Perspective and Intended Audience

- **Product Scope**

Visual Stylist is web application that shows people outfit ideas and gives them the opportunity to create their own outfits.

- **Product Perspective**

The product is a new, self-contained product. It is not a follow-on member of a product family.

- **Intended Audience**

The product's target group are users who want to dress well, but don't have time to try on outfits or match their clothes.

Functional Requirements

- Users must be registered in order to enter the system.
- Entering the system requires username and password.
- In order to achieve more accurate representation of his own figure, the registered user can scan himself and provide information about his measurements.
- If the user does not provide information about his measurements, there will be default 3D figure.
- The registered user has an option to upload a picture of his face which will be placed on the user's 3D figure.

Functional Requirements

- The system will detect the registered user's favorite style and favorite color from what he/she has worn the most.
- The system uses information about the weather from AccuWeather.com
- The system provides the user the opportunity to add clothes. It separates them in different categories, such as tops, jackets, bottoms, shoes, dresses, bras and etc.
- The system provides the user the opportunity to see added clothes by categories and to search for a piece of clothing.

Functional Requirements

- The system provides the user the opportunity to create outfits. The user can choose from options, such as color, occasion, style and the recommender's random pick.
- The system provides the user the opportunity to save favorite outfits and to select whether the outfit is worn or not.
- The system saves how many times a piece of clothing is worn and displays message when it is worn 3 times.
- The system provides the user the opportunity to check laundry basket to see used clothes or to remove them if they are washed.
- A hologram option is available when the device is supported by MDH Hologram technology.

Nonfunctional Requirements

Performance Requirements

- The platform must perform equally fast nonetheless the workload.
- The system should response within 3 milliseconds.
- The system should be capable of supporting 40 000 customers concurrently.
- The platform will remain supported through monthly quality updates.

Safety Requirements

- Information transmission should be securely transmitted to server without any changes in information.

Security Requirements

- System should have login mechanism in order to avoid hacking.
- System should notify the user when other device logs into the system.

Nonfunctional Requirements

Software Quality Attributes

- If the Internet service gets disrupted while sending information to the server, the information can be send again for verification.
- Guaranteed compatibility with iOS, Android and Windows.
- The system should provide direct access to the main functionalities of the system (such as login, create outfits, see clothes, etc.)
- System's recovery should be provided within 24 hours.
- The system provides suitable interface for different devices, such as mobile devices, PC, tablets.
- The system provides database support: the system's functionality is guaranteed and is able to recover in critical situations.

Business Rules

- The system should consider General Data Protection Regulation (GDPR).

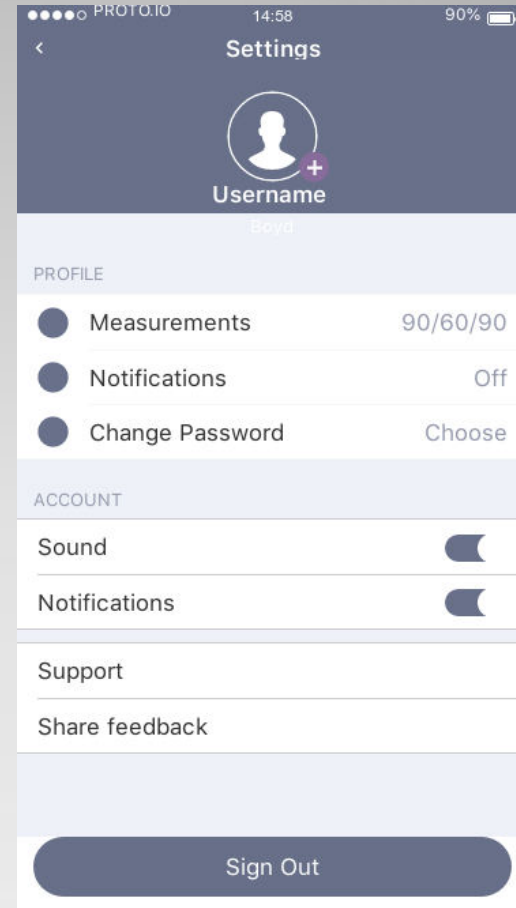
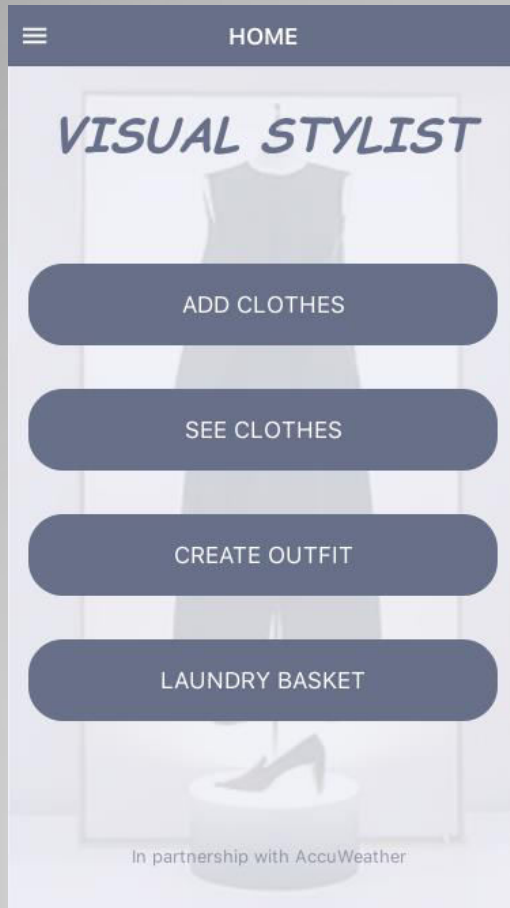
User Interfaces

Mobile app sign-up screen for 'PROTO.IO'. The status bar at the top shows the time as 14:53 and 90% battery. The header has a 'Cancel' button and a 'Sign up' button. Below the header is a profile icon placeholder with a plus sign. The form consists of several input fields: 'First name' and 'Last name' (split), 'Email address', 'Choose password', 'Birthday', and 'Gender'. At the bottom is a large 'Sign up' button and a link that says 'Already have an account? Sign in'.

Mobile app sign-in screen for 'VISUAL STYLIST'. The status bar at the top shows the time as 14:52 and 90% battery. The header has a back arrow and a 'Sign in' button. Below the header is the app title 'VISUAL STYLIST' in a stylized font. The background features a blurred image of a clothing store window display. The form has two input fields: 'Email*' and 'Password*'. Below these is a large 'Sign in' button. At the bottom, there is a line of text: 'By proceeding you also agree to the Terms of Service and Privacy Policy'.

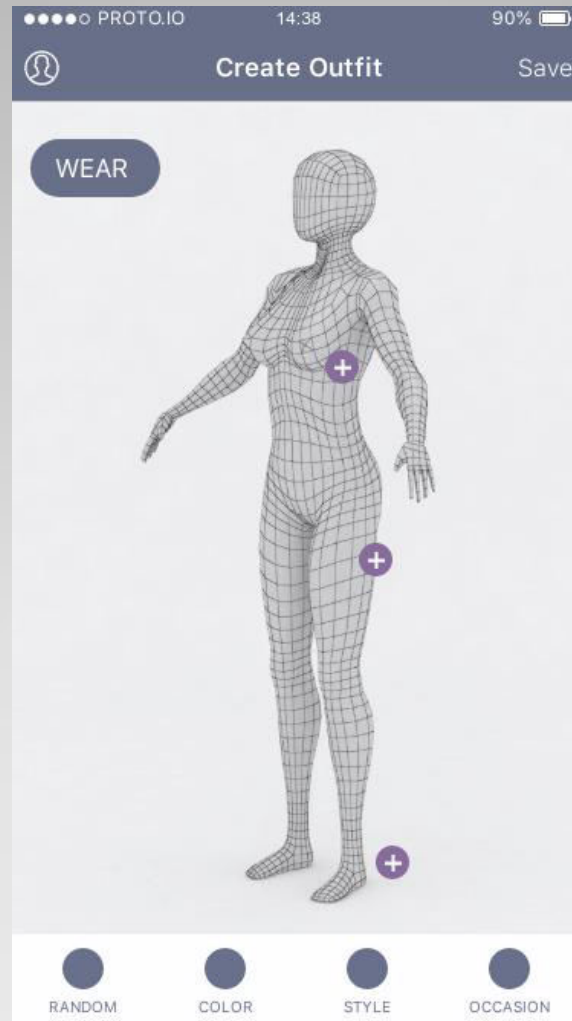
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Инженерство

User Interfaces



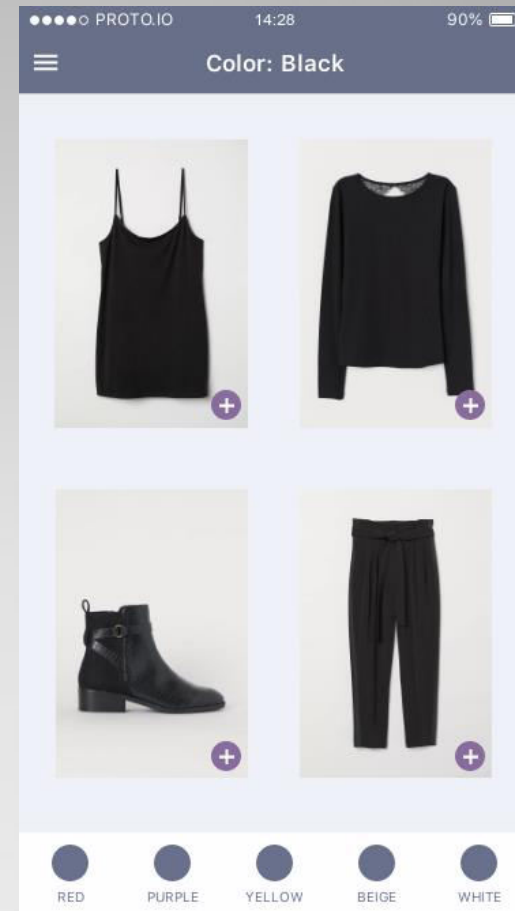
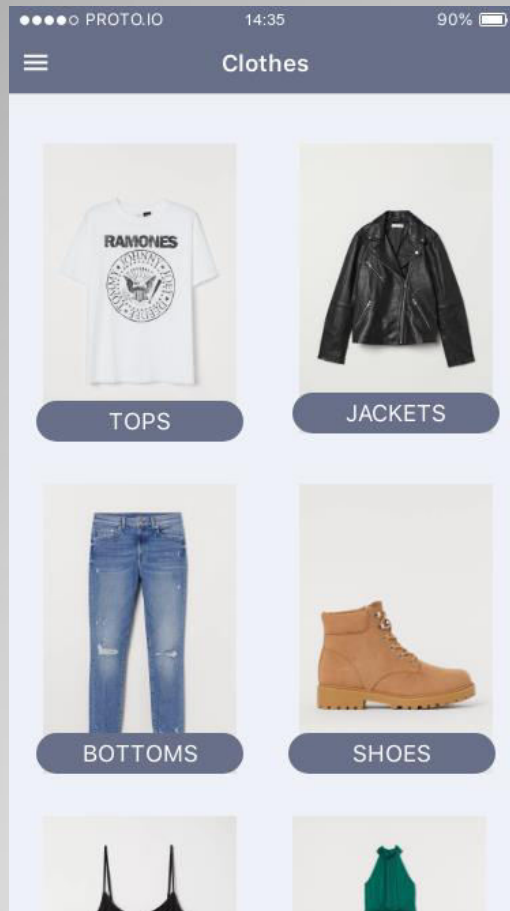
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User Interfaces



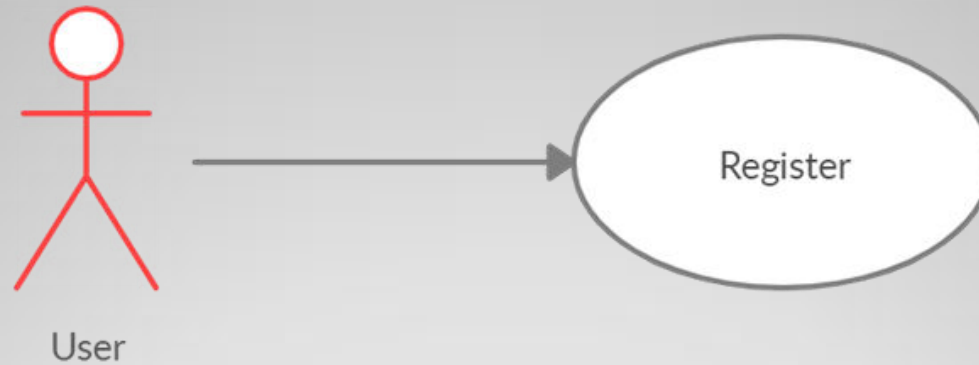
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User Interfaces

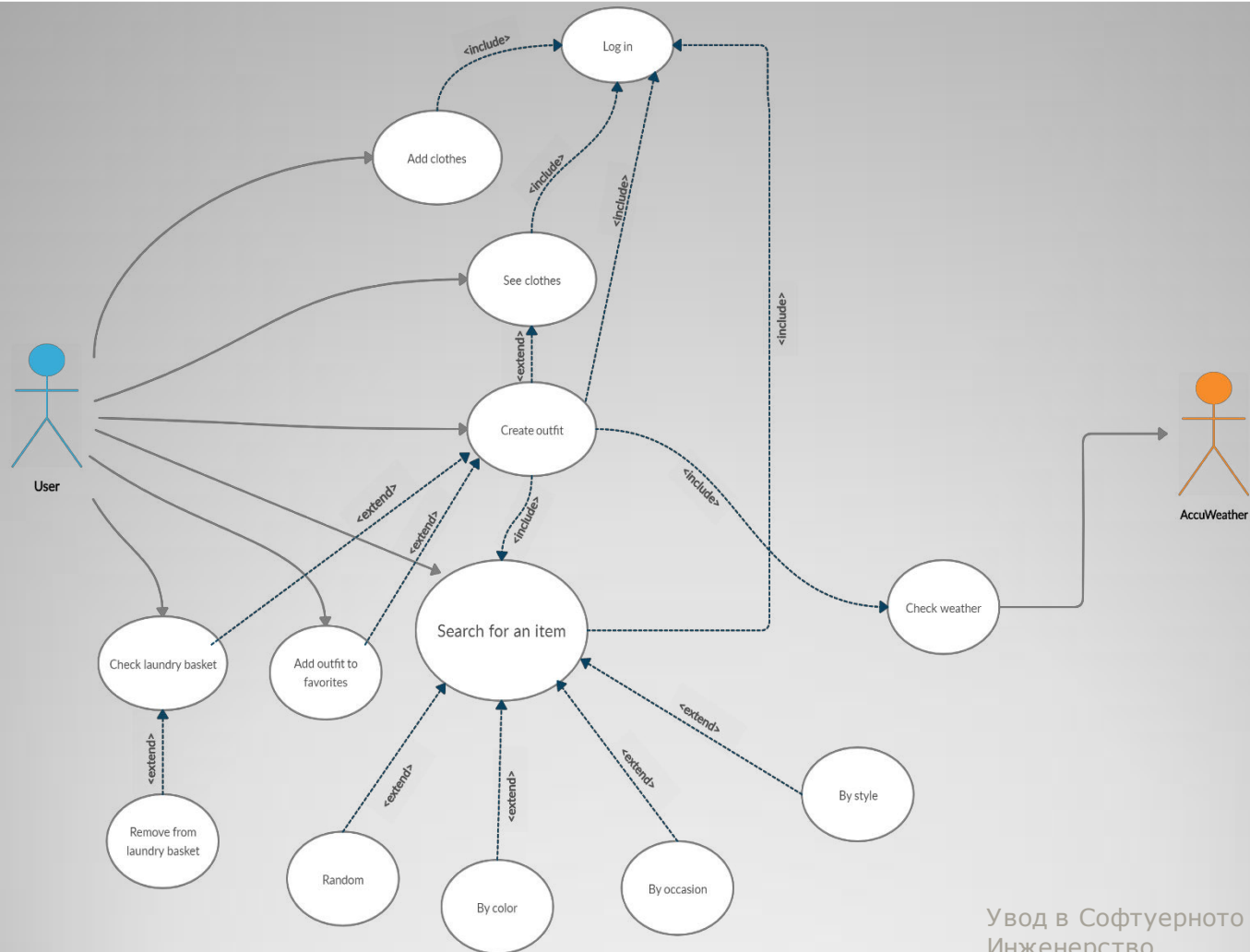


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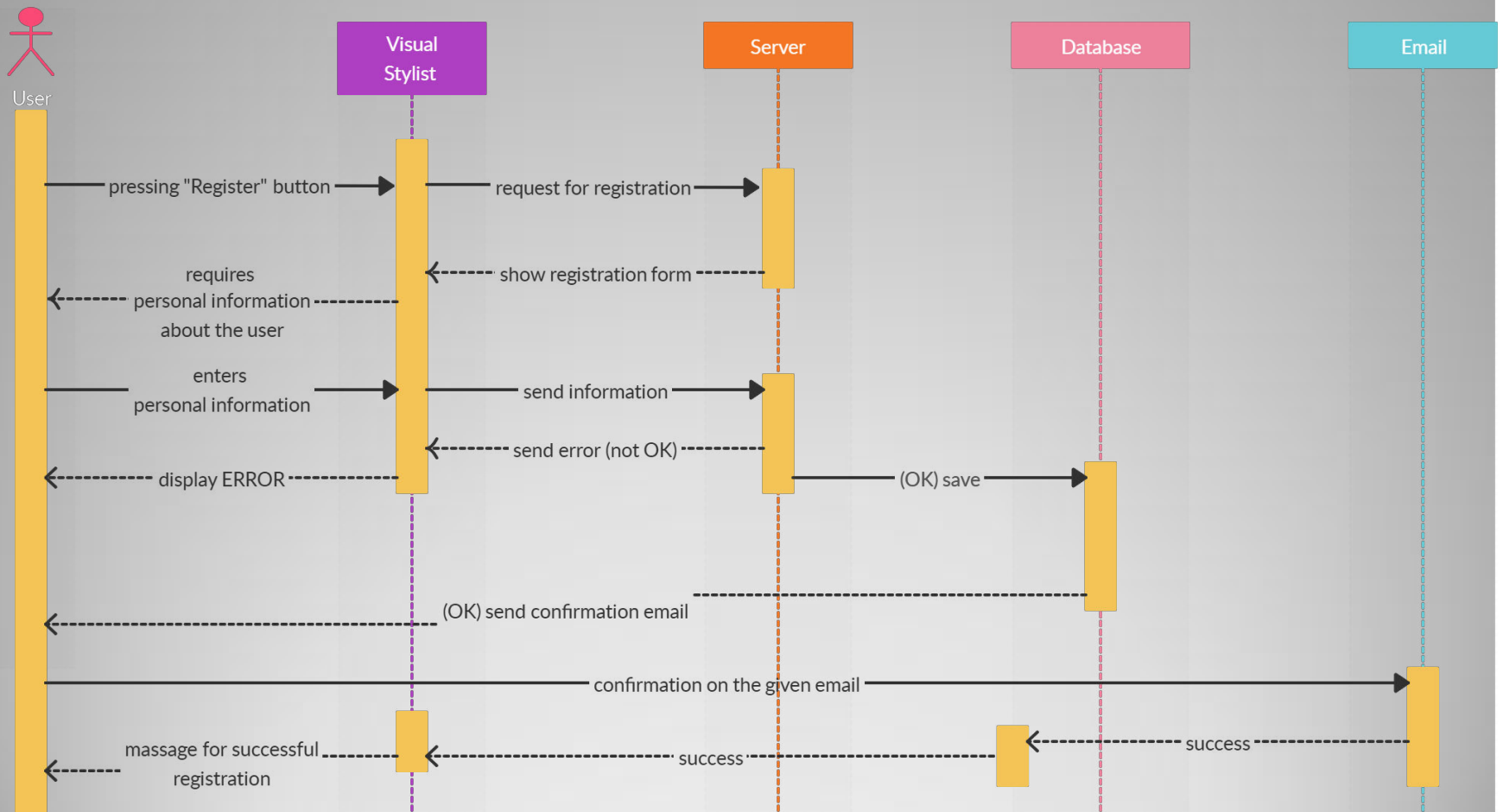
Use case diagrams



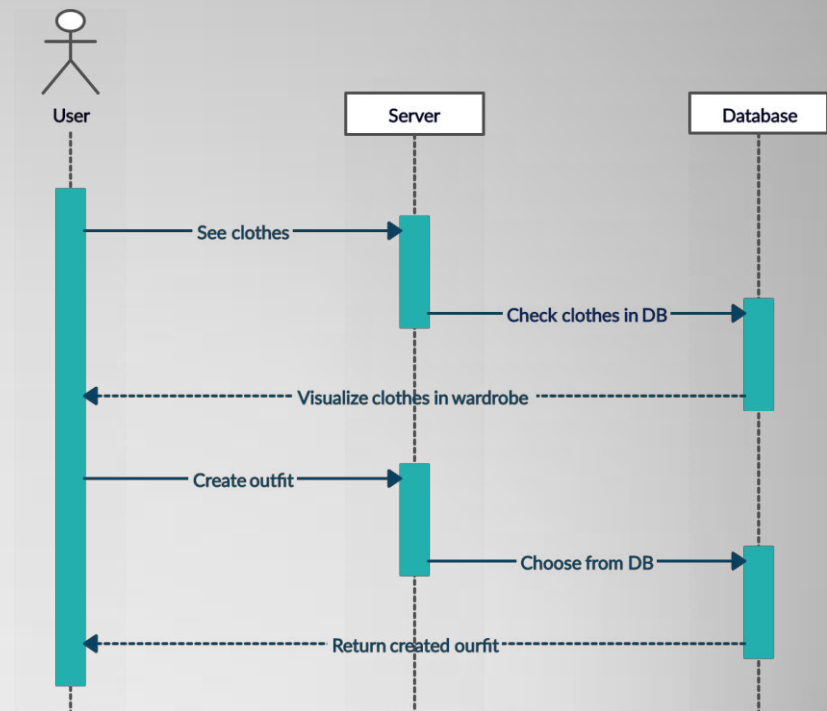
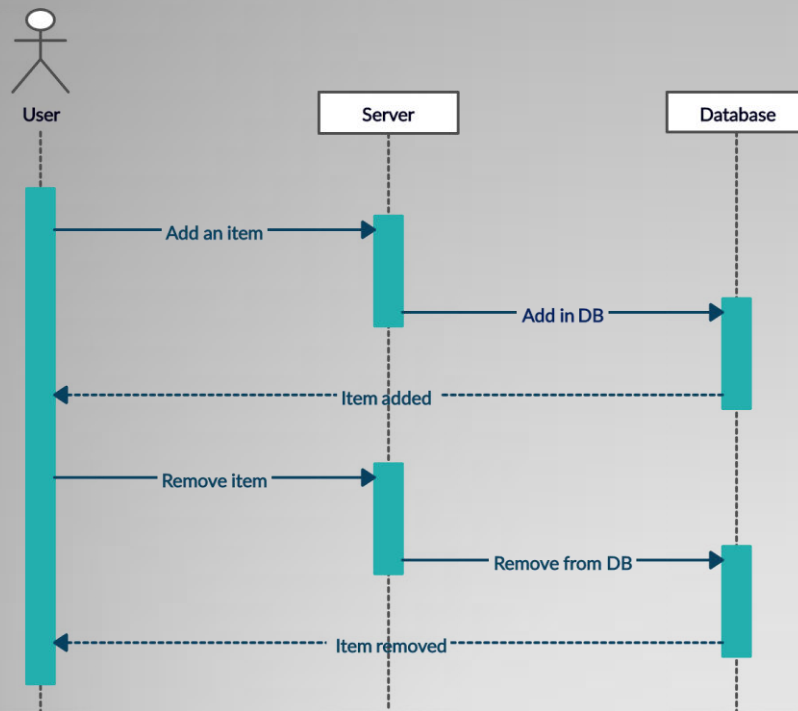
Use case diagrams



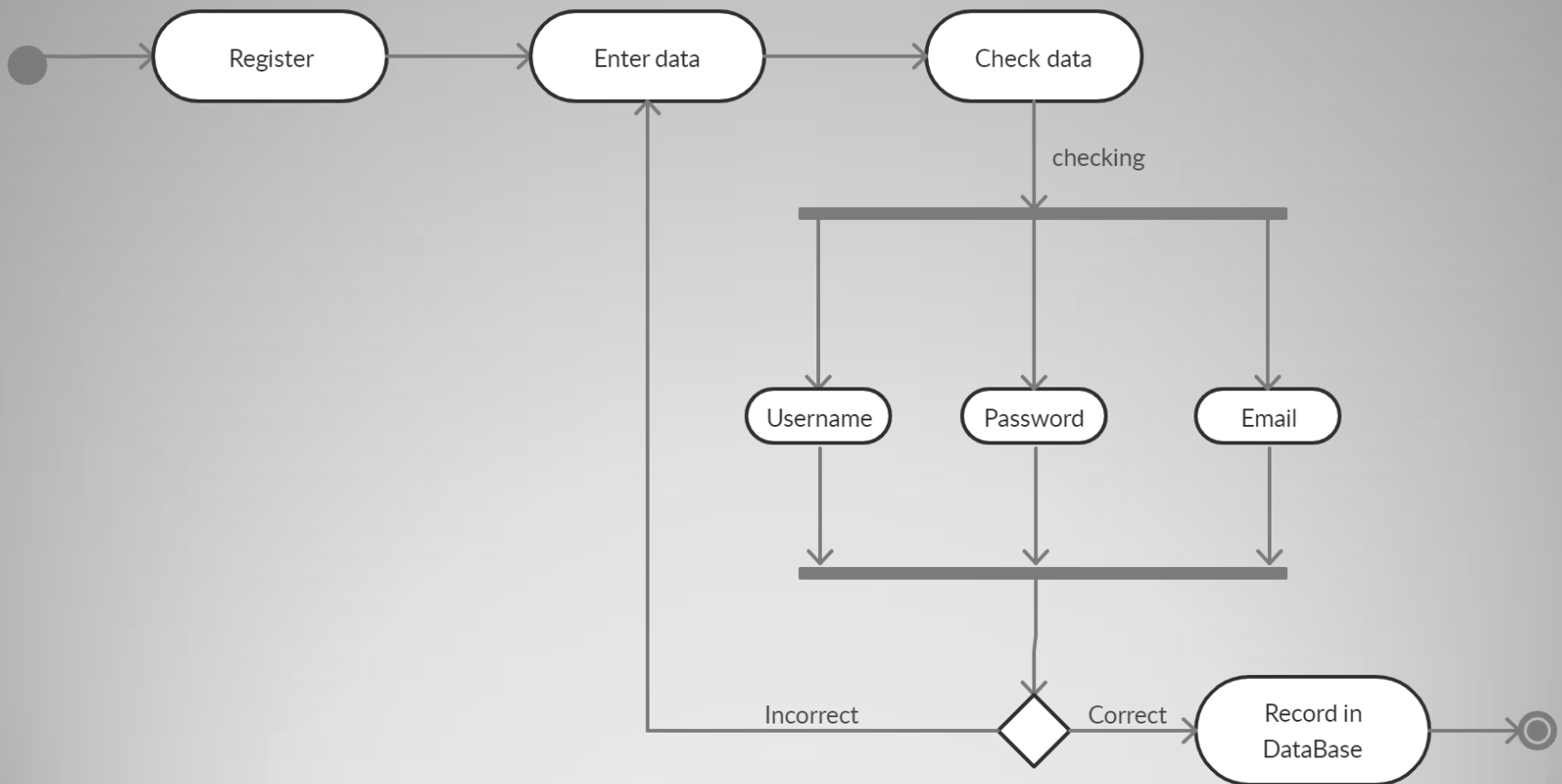
Sequence diagrams



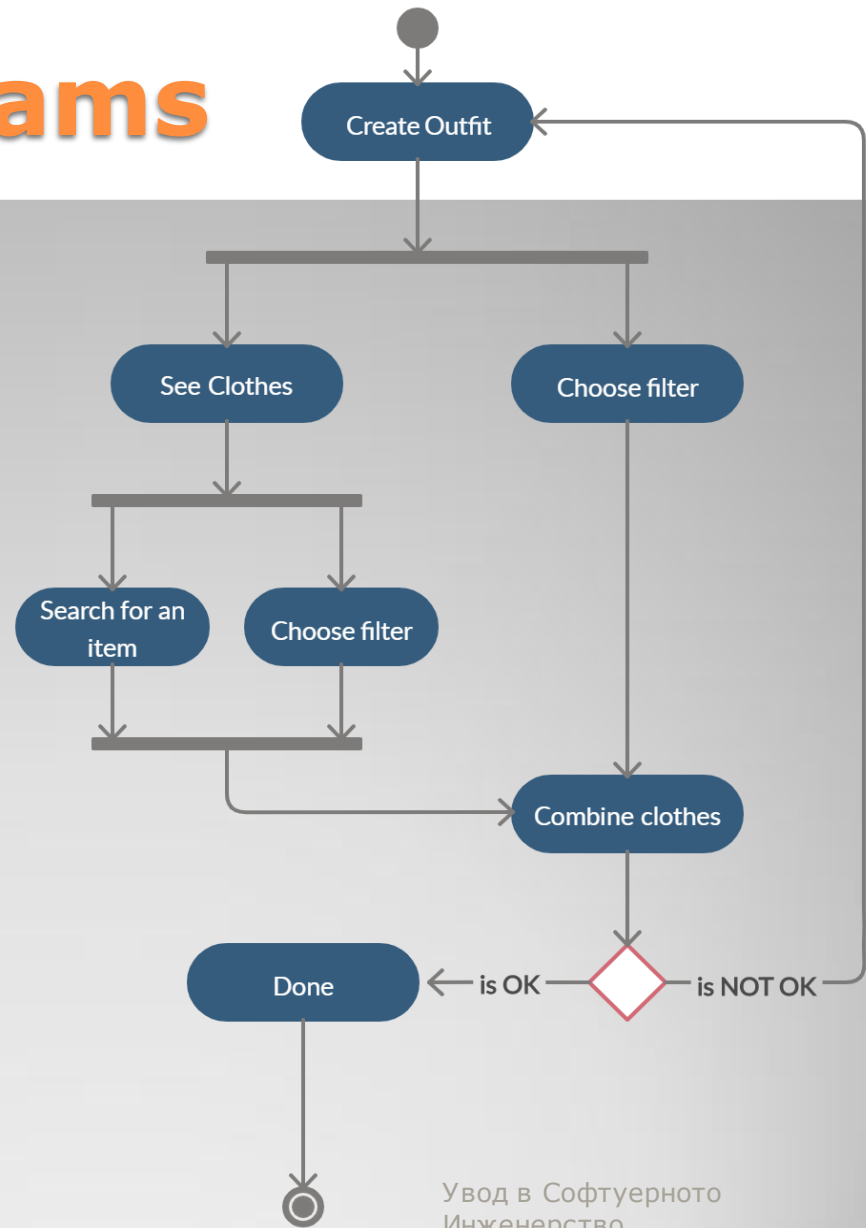
Sequence diagrams



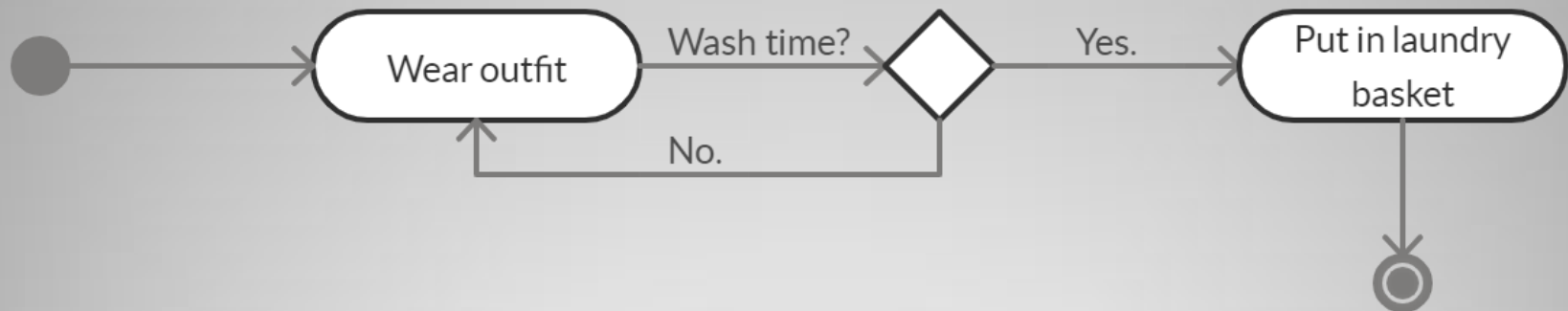
Activity diagrams



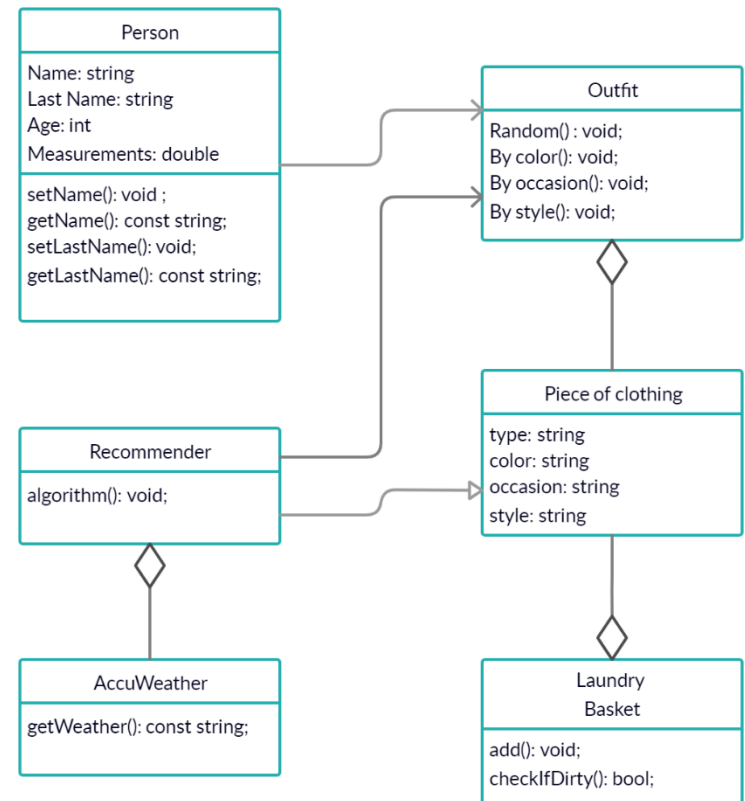
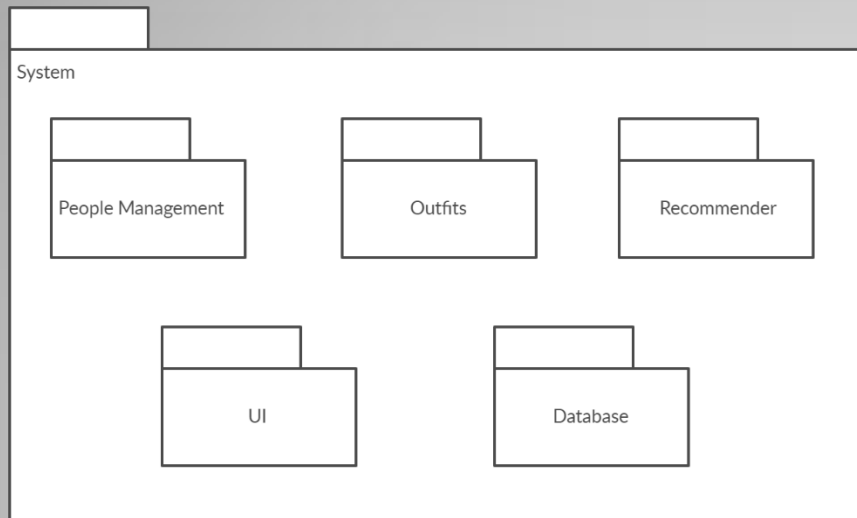
Activity diagrams



Activity diagrams



Package and class diagrams



- Make Visual Stylist part of people's agenda.
- Even more realistic 3D figure view.
- Offer more options to the user.

Future directions for development