



Pill APP

The mobile application adapted for seniors, designed as a supplement to the interactive medicine dispenser, aimed at helping them in everyday life by systematizing the process of taking medicines.

Universidad de Las Palmas de Gran Canaria
Escuela de Ingeniería Informática
Grado en Ingeniería Informática
Programación de Aplicaciones Móviles Nativas
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Problem



in 2021

about 66%
of U.S. adults were taking
prescription drugs



in group of people over
the age of 65 around

8 out of 9
use prescription drugs
daily



today almost
1 in 10
people
are over 60 years old

Goal



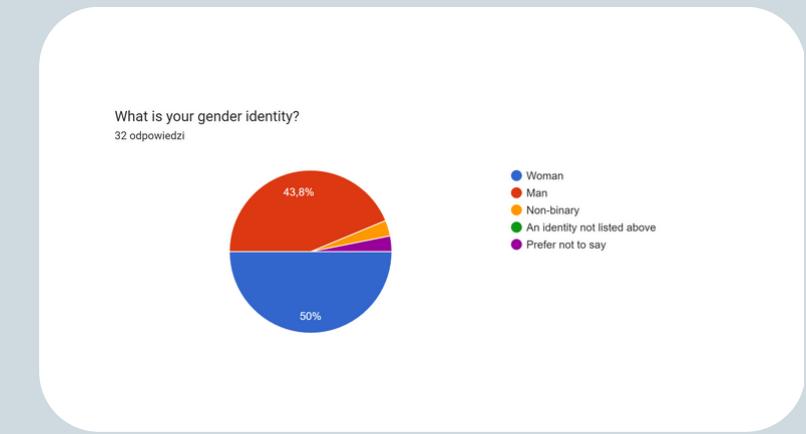
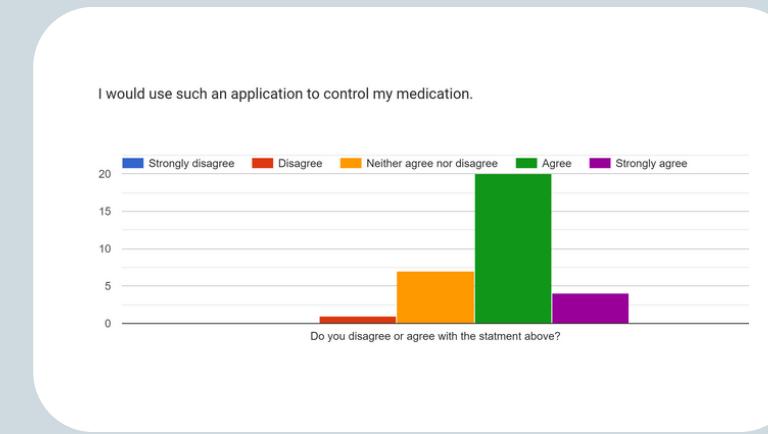
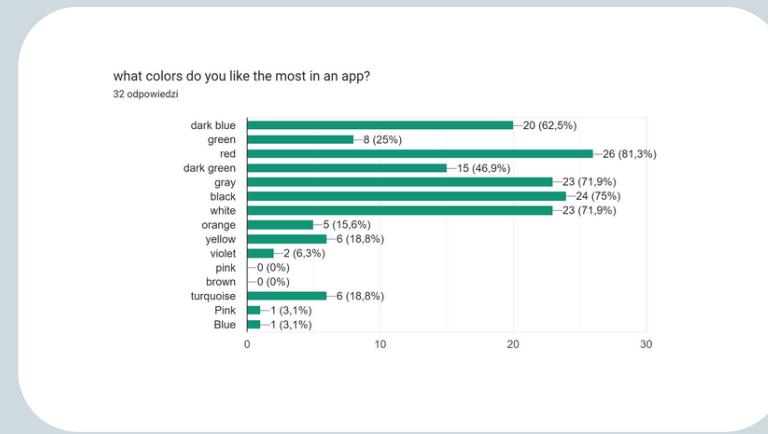
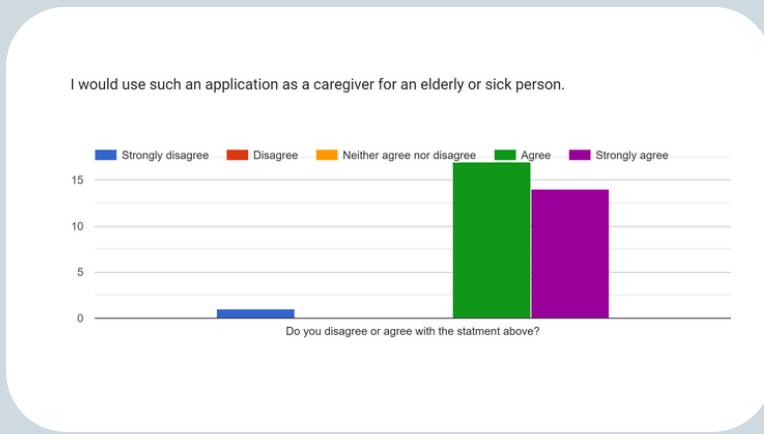
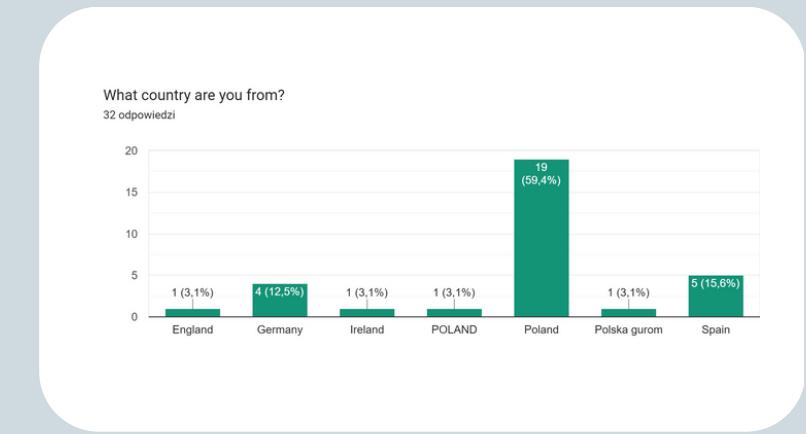
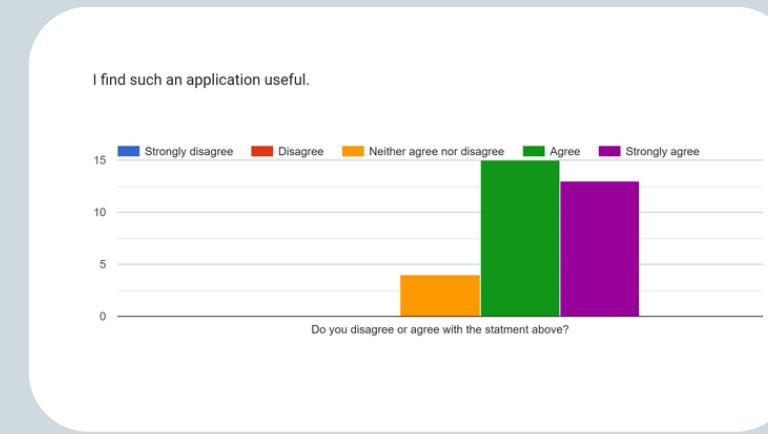
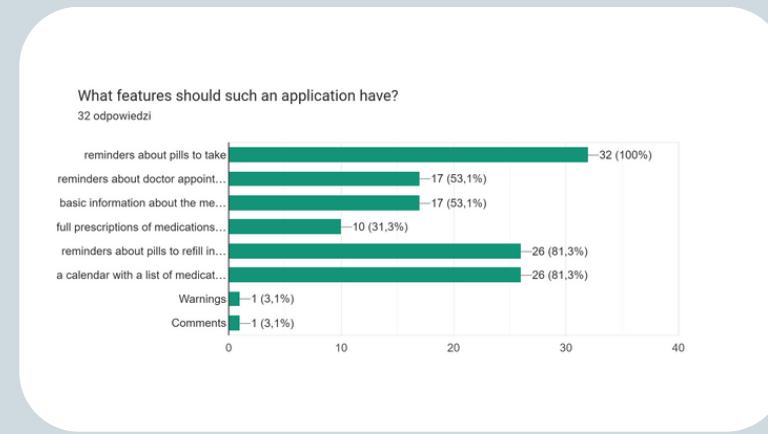
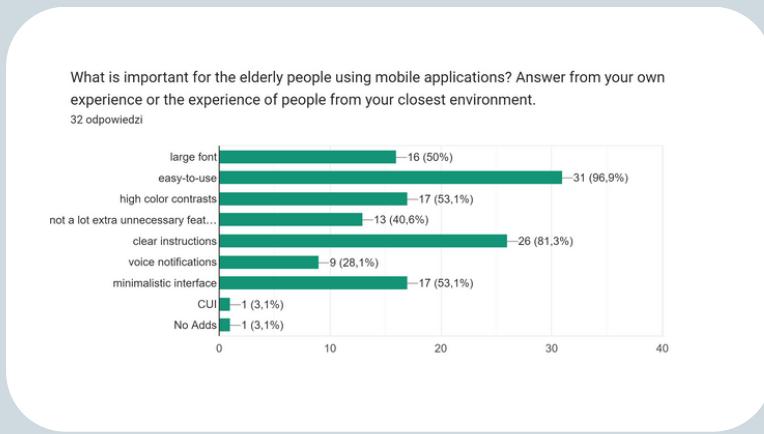
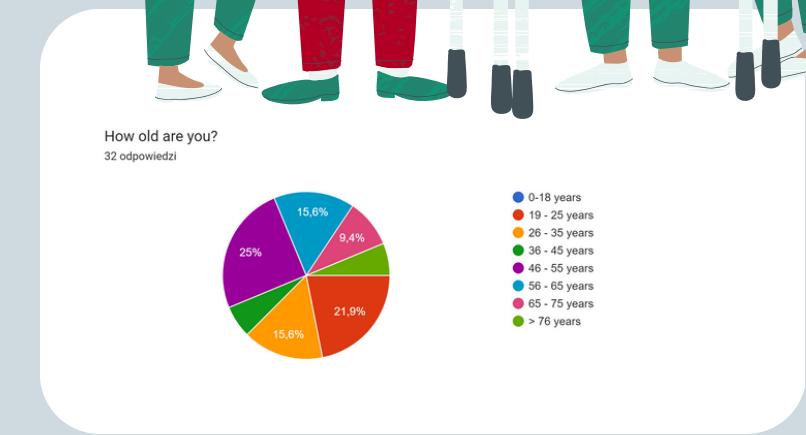
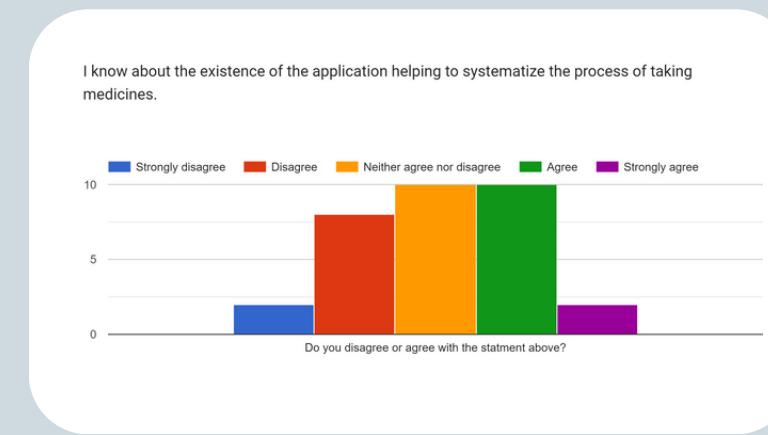
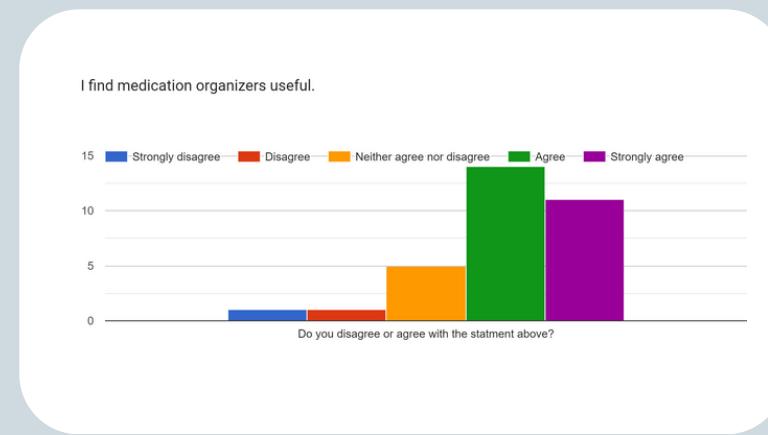
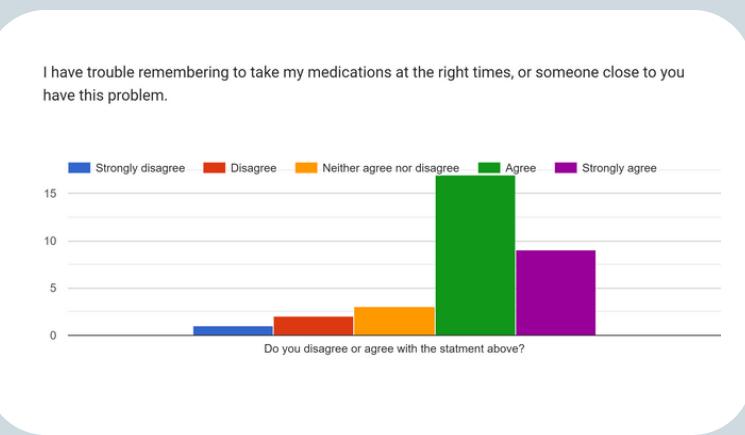
To create a dedicated mobile application that would enable the operation of the interactive medicine dispenser adapted specifically for seniors and have several useful functions while maintaining the highest possible simplicity.



Technologies



Survey



Objectives



simple to use navigation and proper onboarding to introduce users to functionalities



including reminders and tooltips



icons labeled with text whenever possible



every part of the interaction kept easy to understand and complete



good readability and color contrast



big font sizes (minimum 16 px), easy to read and sans serif fonts



scaled up anything that's meant to be read or clicked



progressive disclosure and minimalist design (help prevent cognitive overload from slower mental processing)



First design

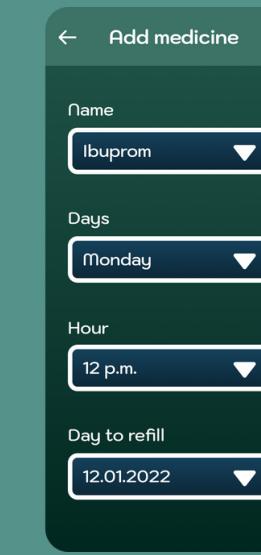
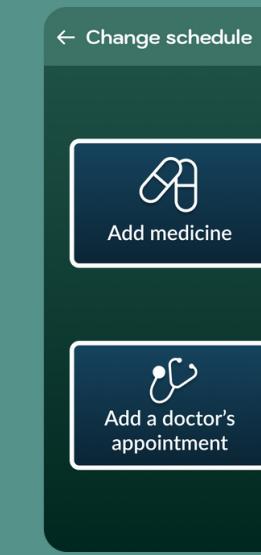
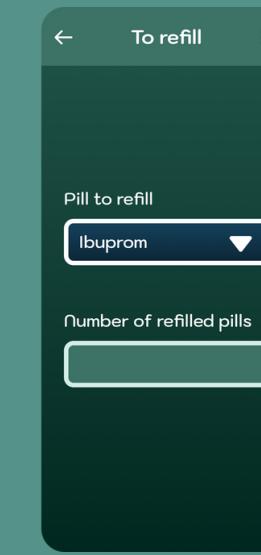
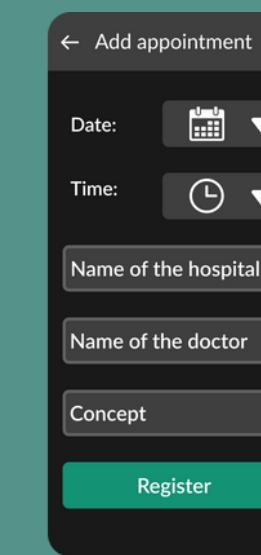
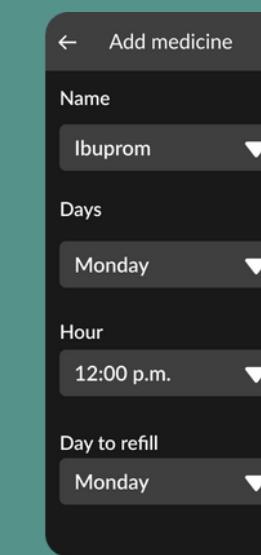
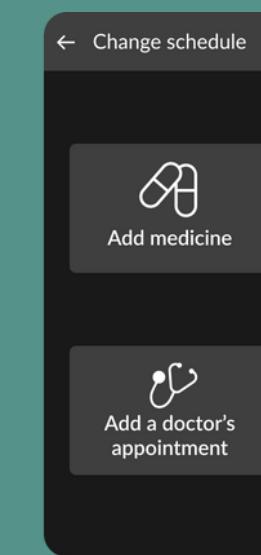
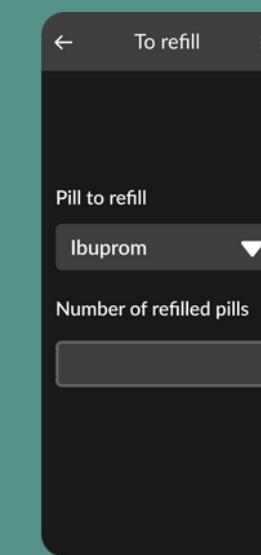
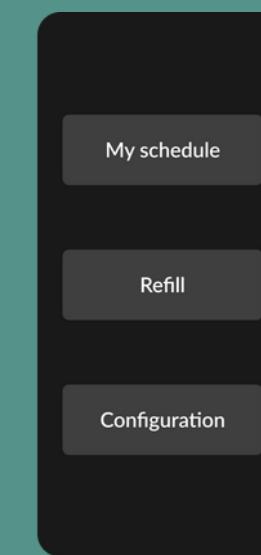
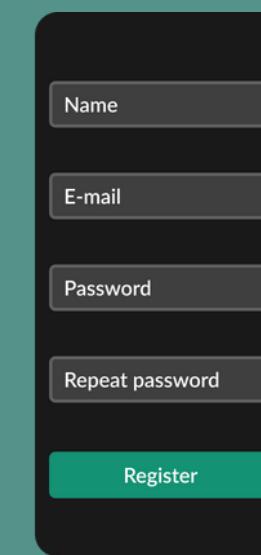
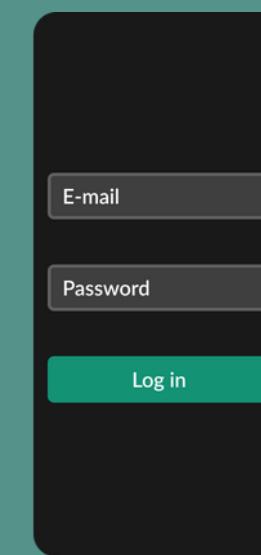
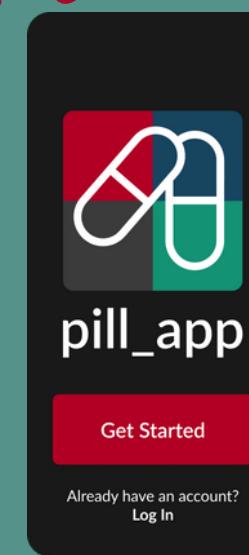


The image displays a Figma wireframe for a mobile application. The top section features a header with a painter illustration, a title 'First design', and a Figma logo. Below the header is a navigation bar with icons for users, a search function, and a profile icon. The main content area shows a grid of small images related to medicine and health, followed by several screens of the app's interface:

- Login Screen:** Shows a logo with two interlocking capsules (one red, one white) and the text 'pill_app'. It has 'Get Started' and 'Log in' buttons, and a link for 'Already have an account? Log In'.
- Registration Screen:** Contains fields for 'E-mail' and 'Password', and 'Register' and 'Log in' buttons.
- Configuration Screen:** Includes fields for 'Name', 'E-mail', 'Password', and 'Repeat password', along with 'My schedule', 'Refill', and 'Configuration' buttons.
- Schedule Screen:** Displays a weekly calendar from Monday to Sunday. The 'Saturday' button is highlighted in red. The screen shows the date 'Today is 12 November 2022' and the time '8:34 a.m.'. It lists a morning schedule with Ibuprom (400mg), Victoza (6 mg/ml), Optrex Intensive (2 drops), and Ibuprom (400mg). A 'Refill' button is also present.
- To Refill Screen:** Allows users to select a pill to refill ('Ibuprom') and enter the number of refilled pills.
- Change Schedule Screen:** Features buttons for 'Add medicine' (with a capsule icon) and 'Add a doctor's appointment' (with a stethoscope icon).
- Add Medicine Screen:** Allows users to set a name ('Ibuprom'), days ('Monday'), hour ('12:00 p.m.'), and day to refill ('Monday').
- Add Appointment Screen:** Allows users to set a date, time, hospital name, doctor name, and concept, with a 'Register' button at the bottom.



Variants of design





Variants of design

The image displays a 3x6 grid of screenshots from a mobile application named "Pill APP".

Row 1:

- Home screen: "Pill APP" logo, "Register" button (red), "Log in" button (green).
- Login screen: "E-mail" input field, "Password" input field, "Log in" button (green).
- Main menu: "Name" input field, "E-mail" input field, "Password" input field, "Register" button (green), "My schedule" button, "Refill" button, "Configuration" button.
- Main menu: "Name" input field, "E-mail" input field, "Password" input field, "Register" button (green), "My schedule" button, "Refill" button, "Configuration" button.
- "My schedule" screen: Date header (12 Nov 2022), Time (8:34 a.m.), Morning section (8:00 Ibuprom, 400mg, 2 tablets), Noon section (12:00 Optrex Intensive, p.m., 2 drops), Alert section (8:30 Victoza, 6 mg/ml, a.m., 1 injection), and Evening section (1:30 Ibuprom, 400mg, p.m., 2 tablets).
- "To refill" screen: "Pill to refill" dropdown (Ibuprom selected), "Number of refilled pills" input field.

Row 2:

- Home screen: "Pill APP" logo, "Register" button (red), "Log in" button (green).
- Login screen: "E-mail" input field, "Password" input field, "Log in" button (green).
- Main menu: "Name" input field, "E-mail" input field, "Password" input field, "Register" button (green), "My schedule" button, "Refill" button, "Configuration" button.
- Main menu: "Name" input field, "E-mail" input field, "Password" input field, "Register" button (green), "My schedule" button, "Refill" button, "Configuration" button.
- "My schedule" screen: Date header (12 Nov 2022), Time (8:34 a.m.), Morning section (8:00 Ibuprom, 400mg, 2 tablets), Noon section (12:00 Optrex Intensive, p.m., 2 drops), Alert section (8:30 Victoza, 6 mg/ml, a.m., 1 injection), and Evening section (1:30 Ibuprom, 400mg, p.m., 2 tablets).
- "To refill" screen: "Pill to refill" dropdown (Ibuprom selected), "Number of refilled pills" input field.

Row 3:

- "Change schedule" screen: "Add medicine" button, "Add a doctor's appointment" button.
- "Add medicine" screen: "Name" dropdown (Ibuprom), "Days" dropdown (Monday), "Hour" dropdown (12 p.m.), "Day to refill" dropdown (12.01.2022).
- "Add appointment" screen: "Name" dropdown (Ibuprom), "Days" dropdown (Monday), "Hour" dropdown (12 p.m.), "Day to refill" dropdown (12.01.2022), "Hospital" input field, "Doctor" input field, "Concept" input field, "Register" button (green).
- "Add appointment" screen: "Name" dropdown (Ibuprom), "Days" dropdown (Monday), "Hour" dropdown (12 p.m.), "Day to refill" dropdown (12.01.2022), "Hospital" input field, "Doctor" input field, "Concept" input field, "Register" button (green).

Variants of design



The image displays a grid of 16 mobile application screens, arranged in two rows of eight. Each screen represents a different design variant for a mobile application called "Pill APP". The screens show various stages of the app's interface, including registration, login, schedule management, refilling, and adding new medicine or appointments. The design variations focus on the visual representation of the pill icon and the overall layout of the application's features.

Top Row Screens (Variants 1-8):

- Pill APP Registration:** Shows a large pill icon at the top, followed by "Pill APP" text, "Register" button, and "Log in" button.
- Pill APP Login:** Shows a large pill icon at the top, followed by "E-mail" and "Password" input fields, and "Log in" button.
- Pill APP Main Menu:** Shows a large pill icon at the top, followed by "Name", "E-mail", "Password", and "Register" buttons.
- Pill APP Configuration:** Shows a large pill icon at the top, followed by "My schedule", "Refill", and "Configuration" buttons.
- My schedule:** Displays the date as "Today is 12 November 2022" and the time as "8:34 a.m.". It shows a morning schedule with "Ibuprom" at 8:00 a.m. and "Victoza" at 8:30 a.m., and a noon schedule with "Optrex Intensive" at 12:00 p.m. and "Ibuprom" at 1:30 p.m.
- To refill:** Shows a "Pill to refill" dropdown set to "Ibuprom", a "Number of refilled pills" input field, and a "Add a doctor's appointment" button.
- Change schedule:** Shows a "Pill to refill" dropdown set to "Ibuprom", a "Number of refilled pills" input field, and a "Add a doctor's appointment" button.
- Add medicine:** Shows a "Name" dropdown set to "Ibuprom", a "Days" dropdown set to "Monday", a "Hour" dropdown set to "12 p.m.", and a "Day to refill" dropdown set to "12.01.2022".
- Add appointment:** Shows a "Date" and "Time" section with dropdown menus, a "Hospital" button, a "Doctor" button, a "Concept" button, and a "Register" button.

Bottom Row Screens (Variants 9-16):

- Pill APP Registration:** Shows a large circular pill icon at the top, followed by "Pill APP" text, "Register" button, and "Log in" button.
- Pill APP Login:** Shows a large circular pill icon at the top, followed by "E-mail" and "Password" input fields, and "Log in" button.
- Pill APP Main Menu:** Shows a large circular pill icon at the top, followed by "Name", "E-mail", "Password", and "Register" buttons.
- Pill APP Configuration:** Shows a large circular pill icon at the top, followed by "My schedule", "Refill", and "Configuration" buttons.
- My schedule:** Displays the date as "Today is 12 November 2022" and the time as "8:34 a.m.". It shows a morning schedule with "Ibuprom" at 8:00 a.m. and "Victoza" at 8:30 a.m., and a noon schedule with "Optrex Intensive" at 12:00 p.m. and "Ibuprom" at 1:30 p.m.
- To refill:** Shows a "Pill to refill" dropdown set to "Ibuprom", a "Number of refilled pills" input field, and a "Add a doctor's appointment" button.
- Change schedule:** Shows a "Pill to refill" dropdown set to "Ibuprom", a "Number of refilled pills" input field, and a "Add a doctor's appointment" button.
- Add medicine:** Shows a "Name" dropdown set to "Ibuprom", a "Days" dropdown set to "Monday", a "Hour" dropdown set to "12 p.m.", and a "Day to refill" dropdown set to "12.01.2022".
- Add appointment:** Shows a "Date" and "Time" section with dropdown menus, a "Hospital" button, a "Doctor" button, a "Concept" button, and a "Register" button.



Variants of design

The image displays a grid of 16 mobile application screens, arranged in two rows of eight, illustrating design variations for a "Pill APP". The top row shows the initial state of the app, while the bottom row shows a modified state where certain elements have been highlighted or changed.

Top Row (Initial State):

- Pill APP Home Screen:** Features a large circular icon with a red, grey, and teal gradient, containing a stylized white pill and 'P' shape. Below it are "Pill APP", "Register", and "Log in" buttons.
- Login Screen:** Shows the same circular icon. Below it are "E-mail" and "Password" input fields, and a "Log in" button.
- Registration Screen:** Shows the same circular icon. Below it are "Name", "E-mail", "Password", and a "Register" button.
- Configuration Screen:** Shows the same circular icon. Below it are "My schedule", "Refill", and "Configuration" buttons.
- My schedule Screen:** Displays the date "Today is 12 November 2022" and the time "8:34 a.m.". It lists a morning schedule with "Ibuprom, 400mg" at 8:00 a.m., "Victoza, 6 mg/ml" at 8:30 a.m., and "Optrex Intensive" at 12:00 p.m. It also shows a noon entry for "Ibuprom, 400mg" at 1:30 p.m.
- To refill Screen:** Shows a "Pill to refill" dropdown set to "Ibuprom" and a "Number of refilled pills" input field.
- Change schedule Screen:** Shows a "Pill to refill" dropdown set to "Ibuprom" and a "Add a doctor's appointment" button.
- Add medicine Screen:** Shows a "Name" dropdown set to "Ibuprom", a "Days" dropdown set to "Monday", a "Hour" dropdown set to "12 p.m.", and a "Day to refill" dropdown set to "12.01.2022".
- Add appointment Screen:** Shows "Date" and "Time" dropdowns, "Hospital", "Doctor", and "Concept" input fields, and a "Register" button.

Bottom Row (Modified State):

- Pill APP Home Screen:** The "Log in" button is highlighted in green.
- Login Screen:** The "Log in" button is highlighted in green.
- Registration Screen:** The "Register" button is highlighted in green.
- Configuration Screen:** The "My schedule" button is highlighted in blue.
- My schedule Screen:** The "Ibuprom, 400mg" entry at 8:00 a.m. is highlighted with a green checkmark and a green border.
- To refill Screen:** The "Pill to refill" dropdown is highlighted in blue.
- Change schedule Screen:** The "Add a doctor's appointment" button is highlighted in blue.
- Add medicine Screen:** The "Name" dropdown is highlighted in blue.
- Add appointment Screen:** The "Register" button is highlighted in green.



Logo evolution



Pill APP

Can You Make It Simpler?



Revolution

