

# THE BEDSIDE VISUAL GUIDE

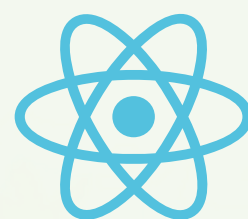
Martina Spišáková, Patrik Bogno, Tomáš Krokus,

Daniel León Labanc, Peter Pöhm

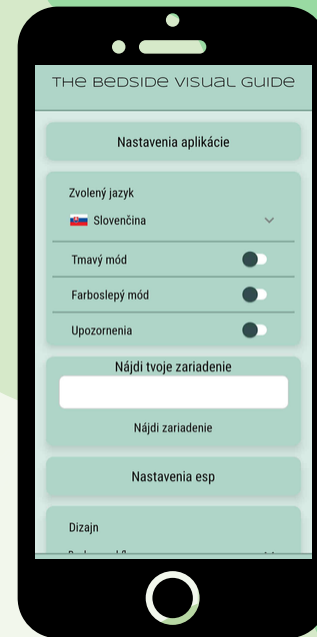
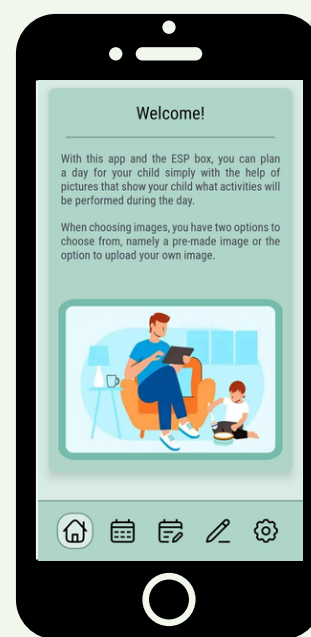
Mentori: Ing. Marek Tomko (Visma), doc. Ing. Stanislav Ondáš, Phd. (TUKE)

Daily routines can be challenging for young and autistic children, especially during transitions. Clear structure helps children understand what comes next, supports their independence, and makes everyday routines calmer for the whole family.

We developed a mobile app that connects via Wi-Fi to an ESP-based LCD display, allowing parents to create and send customized daily tasks that appear as clear visual cues for the child.



The solution was assessed for usability, clarity, and everyday practicality. The visual task display reduced confusion and supported smoother transitions, while customization increased engagement. Overall, the system showed strong potential to reduce parental stress and support children's independence.



## Key Features

- Visual task display
- Customizable routines
- Wireless connectivity
- “Now & Next” sequencing
- Child-friendly design
- Parental support
- Language selection

