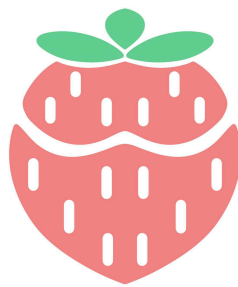NOVA SCHOOL OF
SCIENCE & TECHNOLOGY

Interação Pessoa-Máquina

2025/2026

Capsumi

Stage 4: 1st prototype

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URL For Prototype:

Prototype platform: Web (frontend-only)

- Live Application: https://capsumi.app/
- Github history: https://github.com/lowskydev/Capsumi

Requirements to Run

Open the link above in a modern browser (Chrome/Edge/Firefox/Safari).
Create an account using the Get Started button and start using the functionality of Capsumi.

Briefing (Provided to Users In Stage 3 adapted)

Capsumi was created to help people preserve and categorise their digital memories in an organised, personal, and meaningful way.

A capsule is a collection of digital data — including photos, videos, music, and files — locked until a specified open date. Users can create personal capsules or shared ones with friends and family. Each capsule can be customised with themes, colours, and notes, making it a personal experience that adds an element of anticipation.

"**So today we are testing the Capsumi ideal!**"

Scenarios

Scenario 1 — The Family Anniversary Capsule

Context for the participant:
"You and your sister are planning to surprise your parents on their 25th anniversary. You want to create a shared capsule and invite family members to add photos, videos, and audio messages."

Scenario 2 — Ana's 'Year in Review' Capsule

Context for the participant:
"You are a creator who makes a capsule every December to reflect on the past year. You want to add highlights of your work, travels, and favorite songs, then open it on New Year's Day."

Scenario 3 — Alexandre's Graduation Capsule

Context for the participant:
"You are a 24-year-old student finishing your engineering degree. You want to create a capsule called 'My University Journey' with photos, team videos, and a note to your future self to open five years from now."

Storyboard

Live Application: https://capsumi.app/
Github history: https://github.com/lowskydev/Capsumi

The Capsumi interface has the goal to explore the core user flows for:
- Creating an account
- Creating a new capsule
- Adding multimedia content
- Inviting collaborators
- Viewing the capsule dashboard and countdown timers
- Open the unlocked capsule with Animation and Timeline Layout
- Change the site visibility to dark mode.

The interface is composed by the following main pages:

Dashboard

This page shows metrics associated with user usage of the Capsumi website functionalities.

My Capsules

Shows the capsules the user created and has a filter tab so it's easier to manage them.

Timeline

Show a timeline of the users capsules that are ordered by date of unlocking.

Profile

A page where the Users can manage their information.

Storyboards Tasks

Overall this storyboard illustrates the sequence of user actions and interface responses for key tasks required to fulfill the user scenarios.

Storyboard

1. User taps "+ Create Capsule"
2. Adds name "25th Anniversary"
3. Uploads family photos
4. Sets unlock date
5. Capsule saved and visible in dashboard
6. Tries to open a locked capsule
7. Tries to open an unlocked capsule
8. Shares a capsule (use your user in the shared with option in the creation of the capsule to test this functionality)
9. In a shared (still locked) capsule try to add new content to the capsule
10. Deletes a capsule
11. Activate dark mode

Project history & Tools you used to develop the web app

Live Application: https://capsumi.app/
Githhub: https://github.com/lowskydev/Capsumi

Capsumi is a **Next.js** + **TypeScript React** web frontend.

Key technologies and libraries used

- **Framework & language**: **Next.js** (v16), **React** (v19), **TypeScript**
- **Styling**: Tailwind CSS (v4)
- **UI primitives**: Radix UI packages (@radix-ui/react-avatar, dialog, dropdown-menu, label, popover, slot)
- **Animation:** Framer Motion
- **Charts & dates**: Chart.js,
- **Icons & utilities**: lucide-react, clsx, class-variance-authority
- **Theming & analytics**: next-themes, @vercel/analytics
- **Dev tooling**: ESLint (+ eslint-config-next), TypeScript; npm scripts for dev/build/start/lint

(We used AI tools to help review our work and to assist during the coding process)

Important Note:

We implemented all functionalities to the best of our ability; however, some limitations remain:

- Capsules currently do not support large files, and upload size is restricted. For this reason, we recommend using lighter content wherever possible.