# MindCode - Project Summary

**Team Members:**

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**General Objective:**

Create a digital and visual system that helps coders in intensive training manage and think about their learning and emotions.

The system will track their technical progress and emotional state in real time.

The goal is to make learning better, avoid problems, and improve both soft and technical skills.

**Specific Objectives:**

1. Make a system to record each week the coder’s mood and technical progress.

2. Make weekly and module reports to find technical problems and big emotional changes.

3. Give personal tips and tools to improve learning and emotional health.

4. Give the admin useful information to change teaching strategies in real time.

5. Create a space for the coder to see their own progress and emotional growth.

**Problem:**

Intensive training is very fast. This can make students feel stress and frustration.

Right now, tracking emotions and technical progress is not systematic.

This makes it hard to find problems early, like low motivation or emotional issues.

These problems affect learning and stop coders from reaching their full potential.

**Scope:**

- Daily record of emotions and self-learning perception.

- Track technical progress (challenges, tests, completed modules).

- Visual reports for coders and admins.

- Automatic alerts when progress or motivation goes down.

- Weekly and module feedback.

- AI suggestions and resources.

- Safe space meetings with a mental health professional.

**User Stories:**

**Role: Coder**

- I want to record my mood and energy every week to track my well-being.

- I want to see charts about my technical and emotional progress to find strengths and weaknesses.

**Role: Admin**

- I want a weekly report about my group’s mood and progress to plan my classes better.

- I want to find patterns in performance and motivation to give better support.

- I want to see all group data to check module quality and make improvements.

- I want alerts about coders who may leave so I can help them early.

**Functions by Role:**

**Role: Coder**

- Weekly mood record (emotions, intensity).

- Energy and motivation level.

- Technical progress (challenges done, study time, self-evaluation).

- Dashboard:

- Charts for emotions over time.

- Charts for technical progress over time.

- Comparison “Emotions vs. Progress”.

- Emotions thermometer chart.

- Profile.

- Test.

**Role: Admin**

- Panel:

- Weekly summary of group mood and progress.

- List of students with problems.

- Detected patterns (hardest modules, stress peaks).

- Group statistics (average performance and emotions).

- Group management (create, edit, archive).

- Assign TLs to groups.