



Talent Acceleration Program

Workbook



tap.kiitos.tech

Week 1

Nothing is impossible. The word itself says "I'm possible".

Welcome to **week 1** of the Talent Acceleration Program! Your journey to becoming a professional software developer starts now.

On the *Technical Skills* side, you will start at the foundation of both Frontend and Backend development.

- ❖ For Frontend, you will learn about the rise of frontend frameworks, the differences between a website and web application, static vs. dynamic pages and finally get an introduction to React (the current leading frontend framework)
- ❖ For Backend, you will get a high-level introduction into data flow in order to understand what vital role all the components of the backend play!

On the *Soft Skills* side you'll start off by working on your mindset, the place where all growth starts. Important topics that we'll cover are growth vs. fixed, locus of control, antifragility, self-image & proactivity.

Good luck!

The TAP Team

PART 3: Weekly Assignment

1. Self Assessment

In the Self-Assessment you are challenged to reflect on what you've learned this week. Answer the following questions:

Technical

- Give 2 reasons why it makes sense to specialise into either frontend or backend when you're just starting out.

Soft Skills

- How does a Growth Mindset help you be a better professional?

Business Awareness

- What problem does your client project solve?

2. Algorithm Challenge

In the Algorithm Challenge you will practice your ability to solve problems. Find a solution for a given challenge. In pseudo code, explain step by step your solution:

→ [Two Sum](#)

How to submit

1. Create the right file type for each assignment (i.e. `razan-selfassessment-w1.txt` & `razan-algochallenge-w1.js`)
2. Make a pull request to the main branch of the [tap-cohort-4](#) repository
3. Do a little victory dance because you did it!

Deadline Saturday, Feb 26, 2022, 23:59