# Programming

# Collaboration
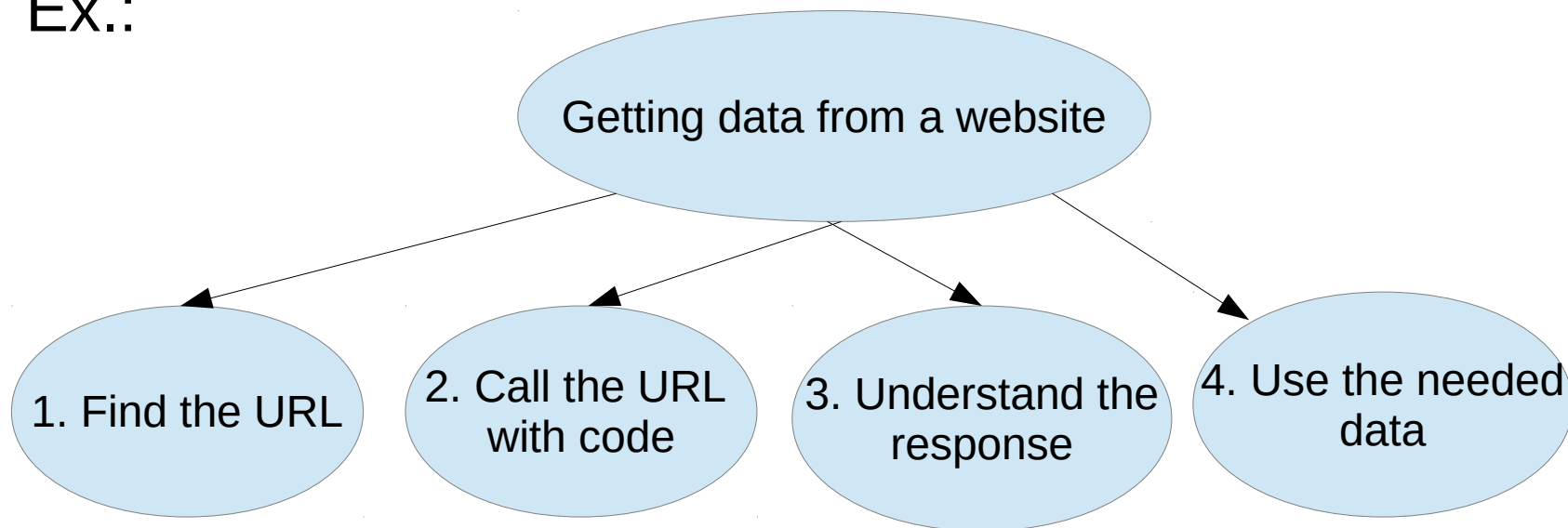
Organization as team, where to start?

1. Make a plan
2. Decompose tasks
3. Define "user stories"
4. Code
5. Communicate

# Make a plan

- Define what you want (vision)
  - Ex.: I want to have 100% on my project 2
- Define your objectives (the "how")
  - SMART
    - **Specific** (make money VS make 100k)
    - **Measurable** (success VS failure, key indicator)
    - **Achievable** (not too easy, not too hard)
    - **Realistic** (resource management     )
    - **Time-Bound** (when should it be done)

# Decompose tasks

- The smaller the job, the easier it is
- Dependent steps vs independent
- Ex.:

Getting data from a website

1. Find the URL

2. Call the URL with code

3. Understand the response

4. Use the needed data

# Define user stories

- A good way to define how to do a task
- A feature that can be seen from the user perspective. A goal to keep and an aid to focus.

  As a [persona], I want to [the intent] so that I can [the achievement]

# Code

- Cut out from distractions (cellphones, social apps, etc.)

  - Your brain needs concentration to define logic

- Plan down the logic in comments (also called pseudo-code)

- Code a few line, execute, code a few more, etc.

# Communicate

- At some point, your code will need to be shared with others
  - Distribute by partner
  - Distribute by tasks
- Plan time for integration
- Sharing
  - Github is the best choice
  - Any app that can share text (mail, whatsapp, etc.)

# Exercices