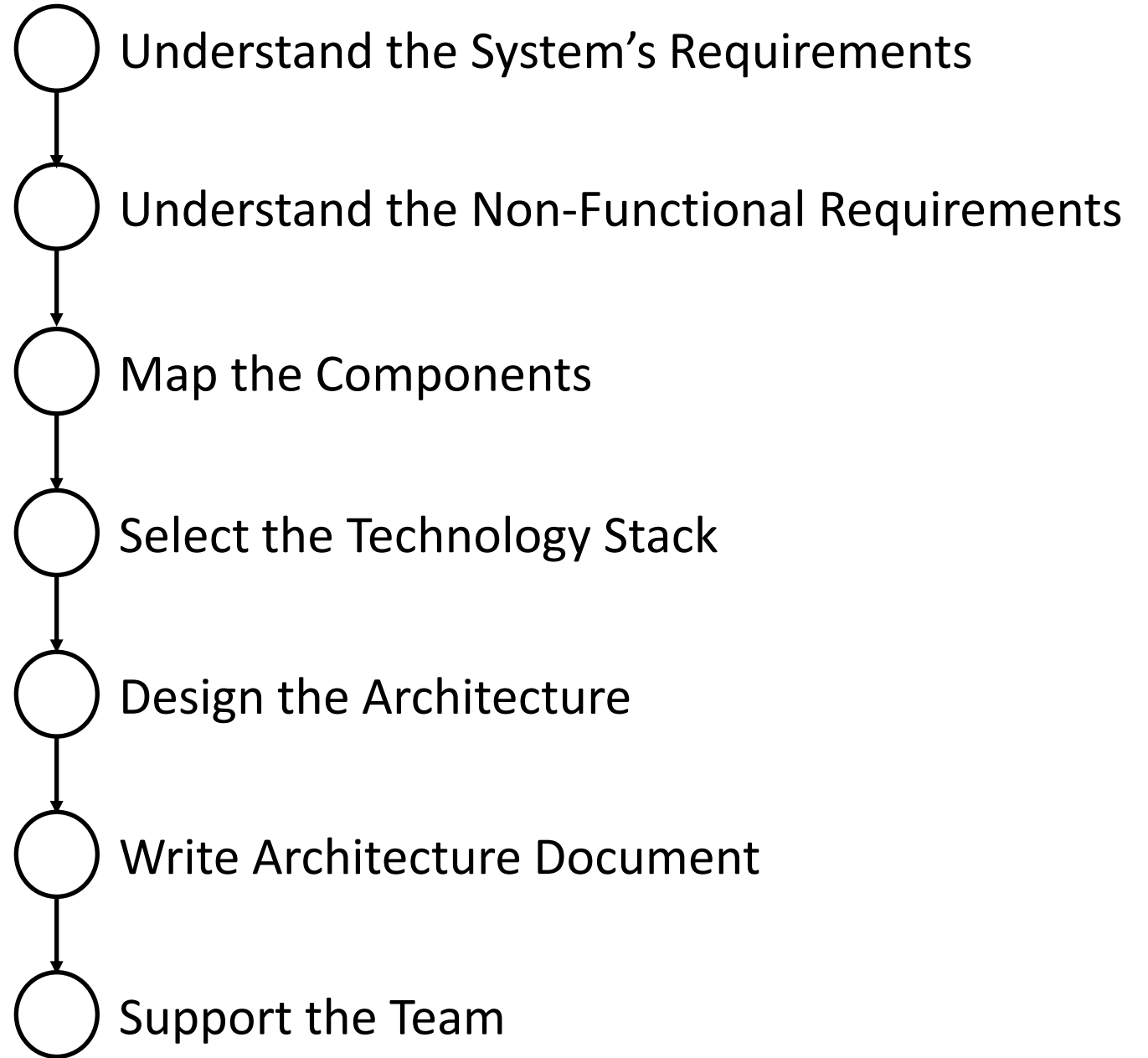


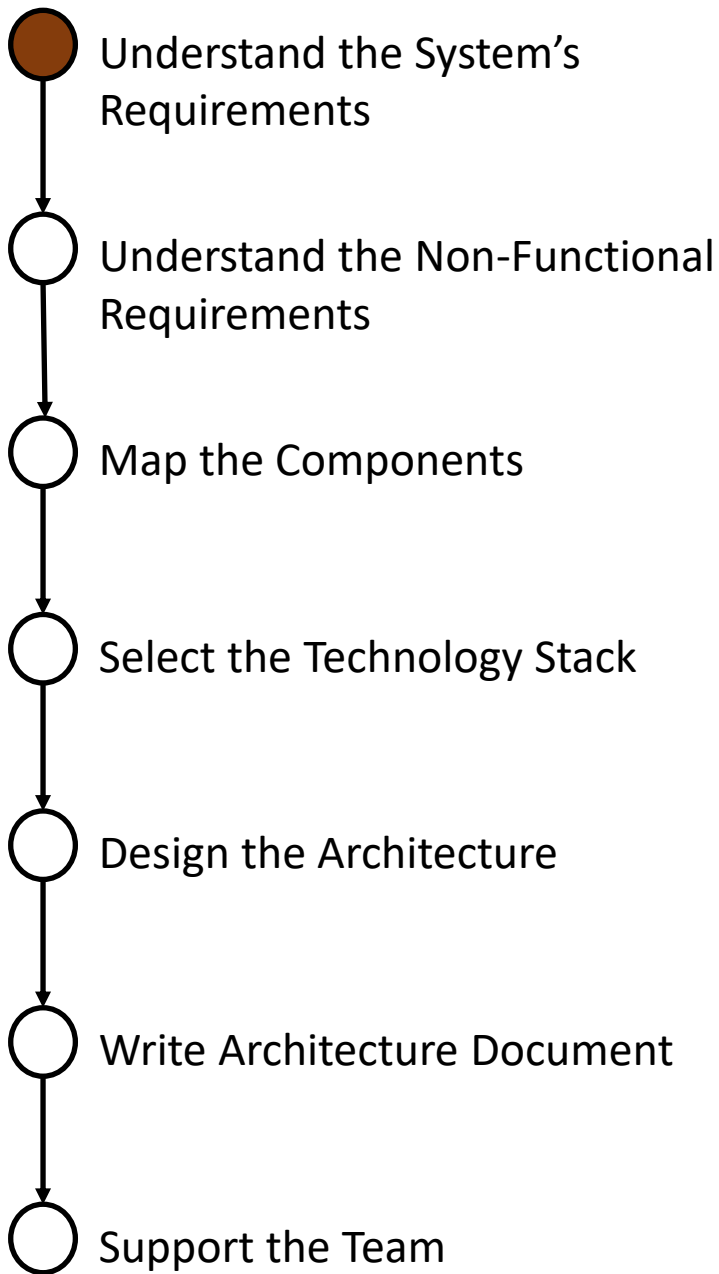
# The Architecture Process

Memi Lavi  
[www.memilavi.com](http://www.memilavi.com)



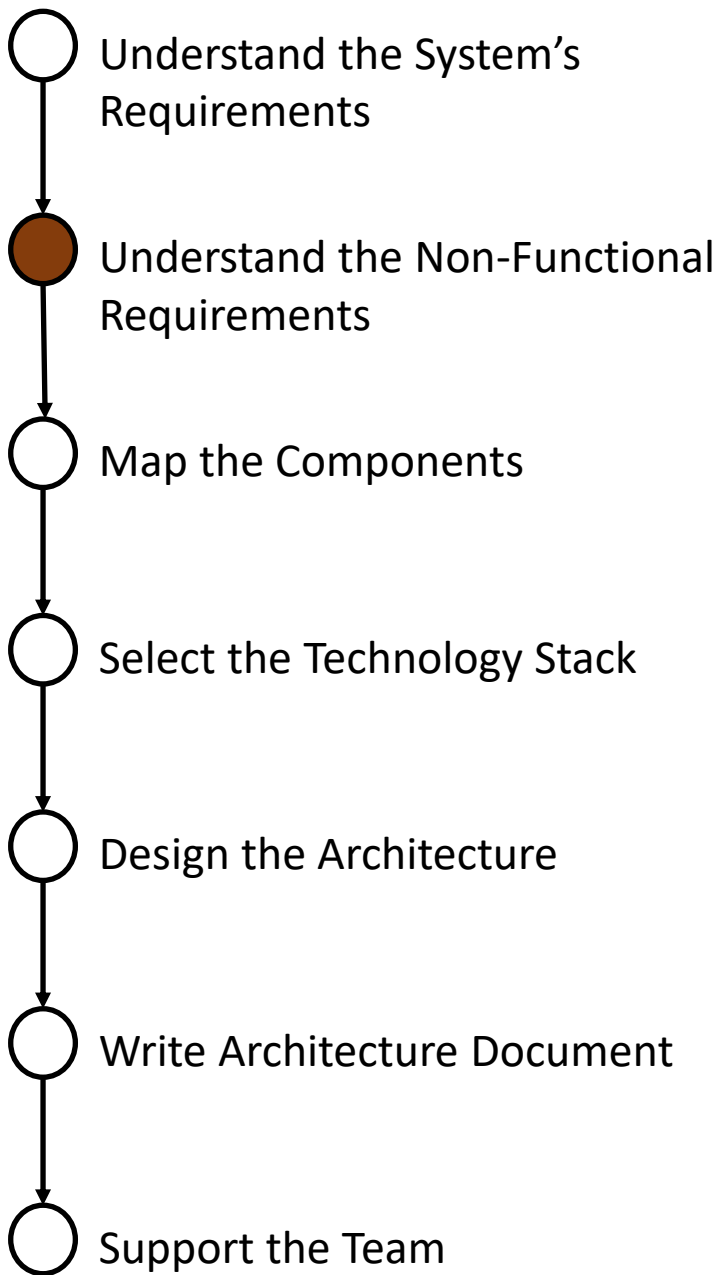
# The Architecture Process





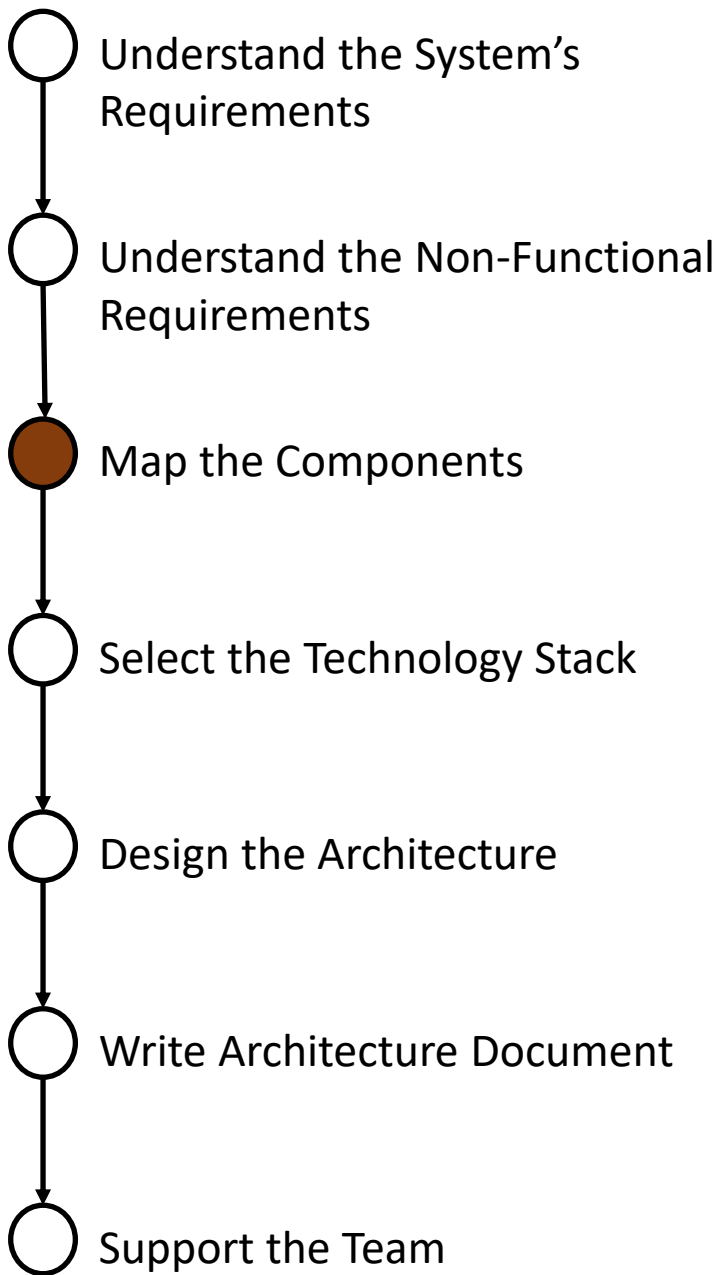
# Understand the System's Requirements

- ...right after setting the goals...
- Requirements = What the System Should Do
- Usually Defined by the System Analyst



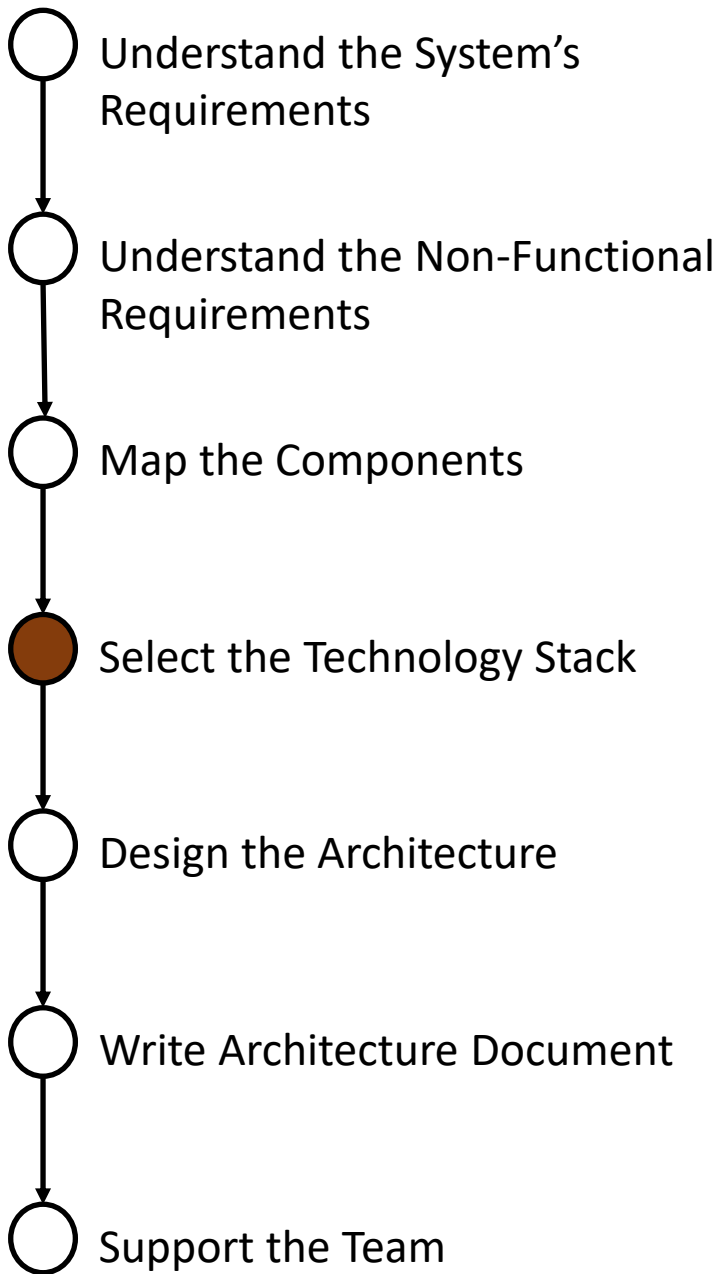
# Understand the Non-Functional Requirements

- **Define Technical & Service Level Attributes**
  - **ie. # of Users, Loads, Volumes, Performance**
- **Not Always Known to the Client or Analyst**
- **Much More Important Than Regular Requirements**



## Map the Components

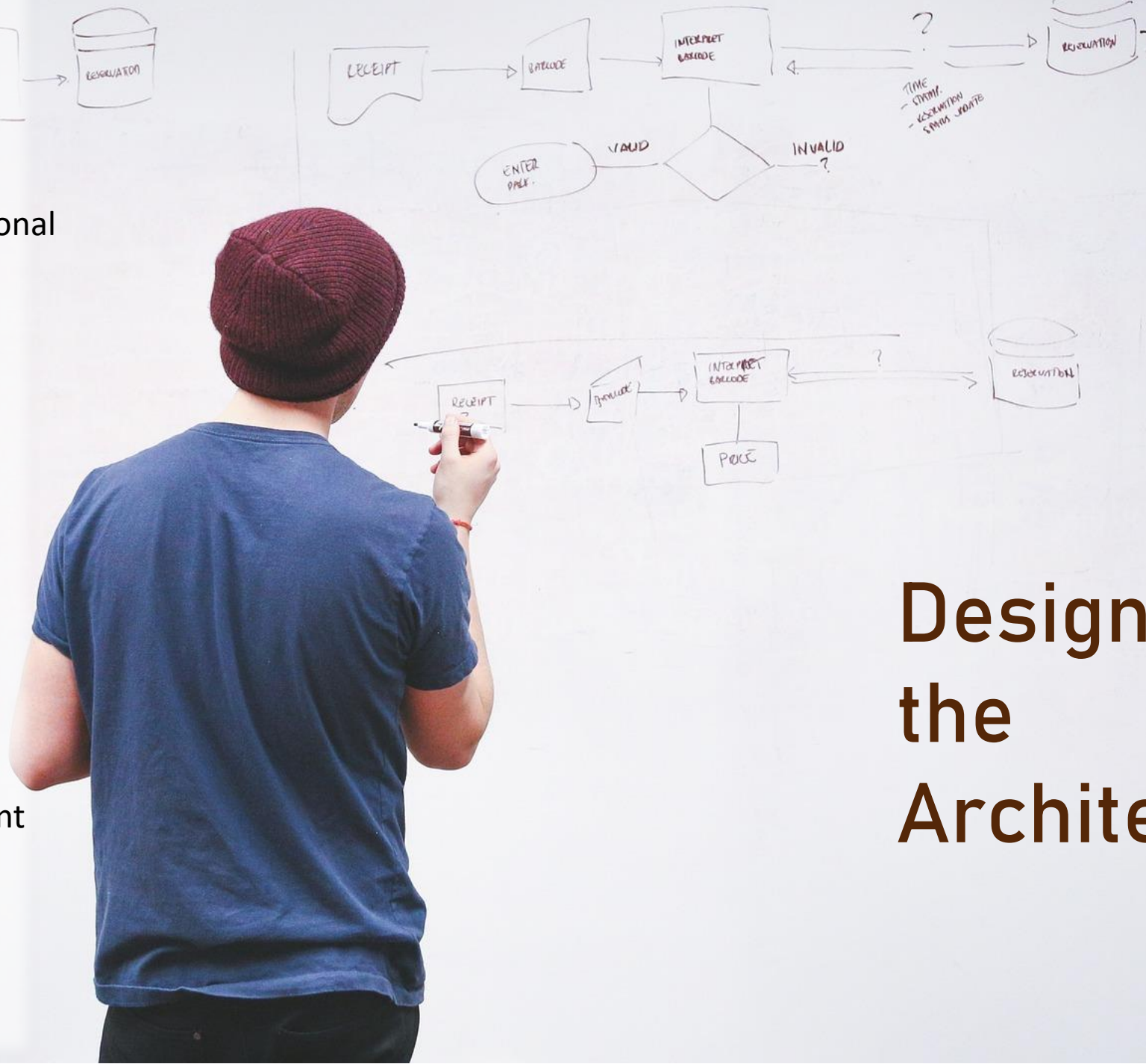
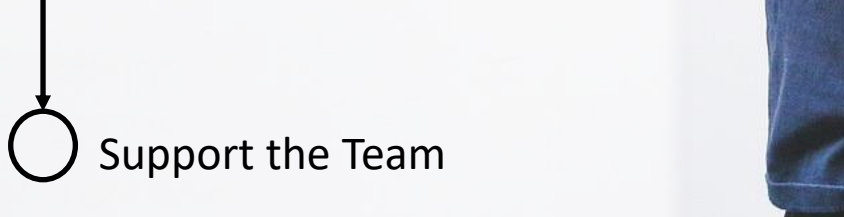
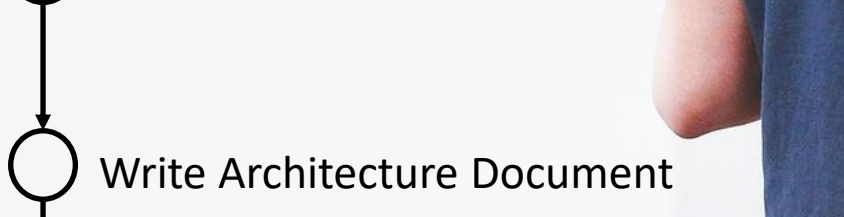
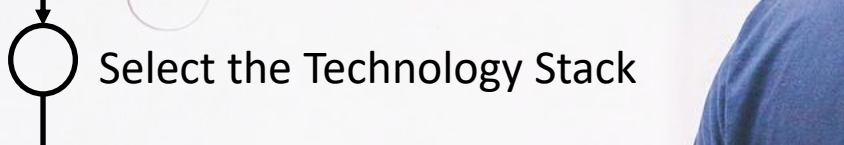
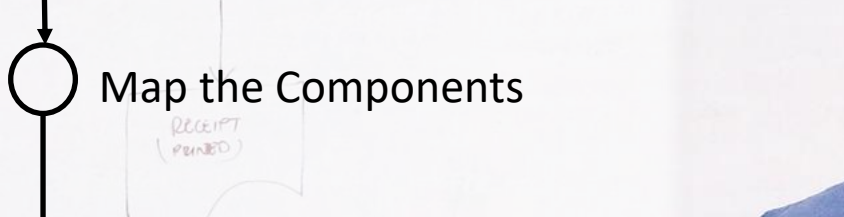
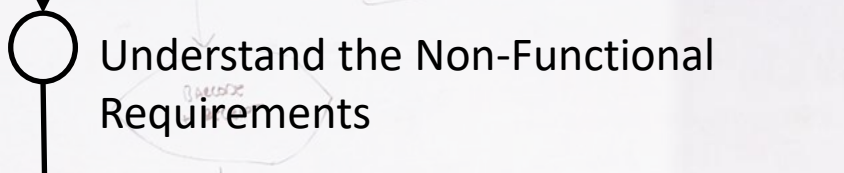
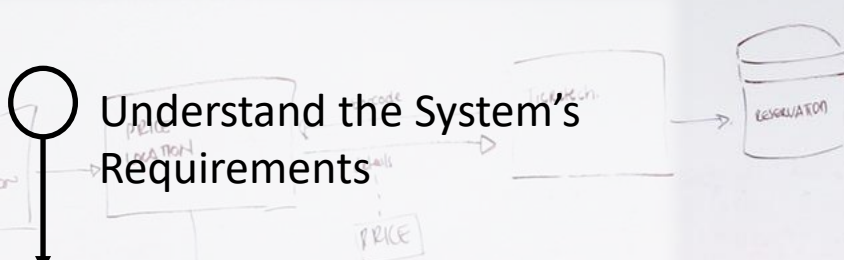
- Represent the Tasks of the System
- Two Goals:
  - Understand the System Functionality
  - Communicate Your Understanding to the Client
- Non-Technical



# Select the Technology Stack



- Usually for Back End, Front End, Data Store
- A Lot of Factors, Choose Wisely!



# Design the Architecture





Understand the System's Requirements

Understand the Non-Functional Requirements

Map the Components

Select the Technology Stack

Design the Architecture

Write Architecture Document

Support the Team

- Describes the Process and the Architecture
- Must be Relevant for All Participants

**Write  
the  
Architecture  
Document**





Understand the System's Requirements

Understand the Non-Functional Requirements

Map the Components

Select the Technology Stack

Design the Architecture

Write Architecture Document

Support the Team

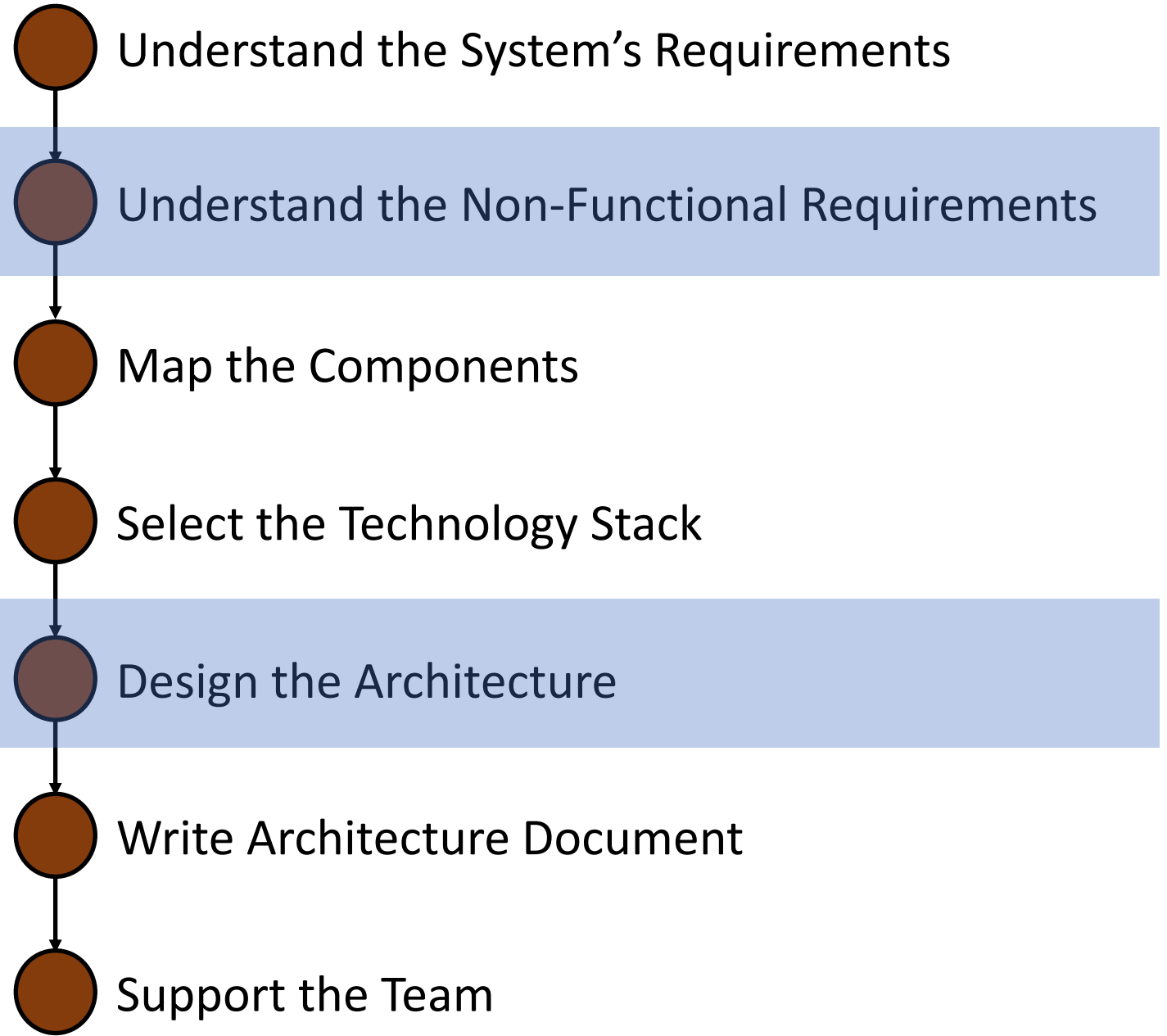
# Support the Team

- The Architecture will change a lot
- Make sure it will stay relevant

# Conclusion



- Learn about Unknown Scenarios Early
- Grow Ambassadors



# The Architecture Process

