Dreyfus model of skill acquisition

- **Novice**
  - needs recipes
  - follows rules
  - no the big picture
  - no context

- **Advanced Beginner**
  - needs guidelines/cookbooks
  - gets awareness
  - seeks for quick solutions
  - doesn't need the big picture
  - doesn't feel as a part of the system

- **Expert**
  - no longer needs principles
  - responds intuitively and appropriately to the current situation
  - best in patterns matching
  - almost instantaneously sees important details and produces actions
  - feels like a part of the system (rather than controls it)
  - can apply best practices just in the right context

- **Proficient**
  - needs maxims (principles)
  - can troubleshoot
  - can use the advice of experts
  - can find a problem
  - still hard to distinguish the important details
  - still has to check many options until finds out the valuable one
  - most people stuck at this stage

- **Competence**
  - needs patterns
  - needs the big picture
  - can self-correct
  - can learn from other's experience
  - can apply recipes in the context