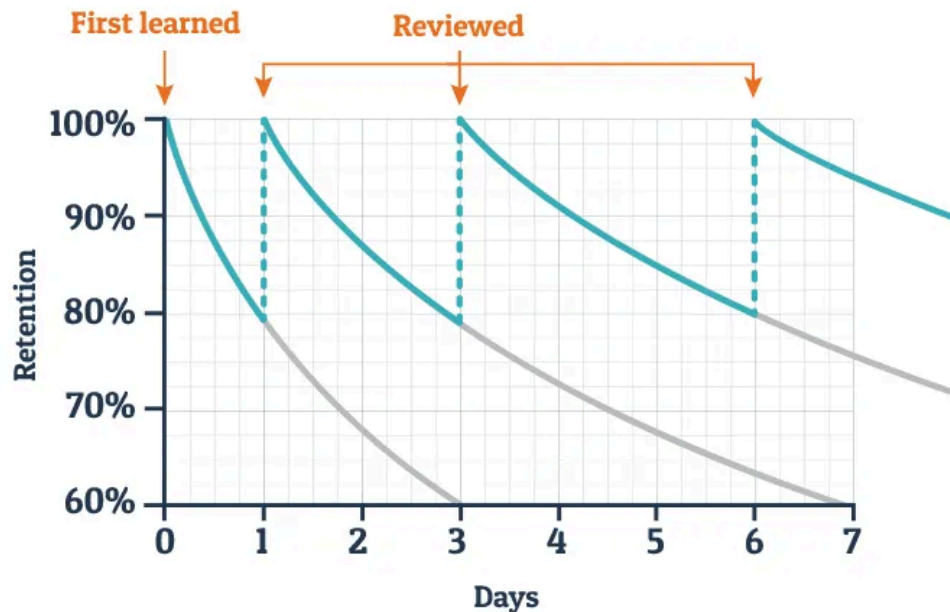# Anki Cards

Typical Forgetting Curve for Newly Learned Information

Key Algorithm: SM2

Anki uses the SM2 algorithm (originally developed for SuperMemo) with the following steps:

1. After reviewing a card, assign it a score based on how easily you recalled it.
2. The score determines the next interval (in days) before the card is shown again.
3. Update the interval and ease factor (a multiplier that adjusts review frequency).

https://github.com/thyagoluciano/sm2

Time for research / implementation:

Spaced Repetition Algorithm: 7-10 days
Deck and Card Management: 5-7 days
API/Integration Layer 3-5 days

Features:

- Import/export Anki decks.
- Create/edit cards.
- Spaced repetition algorithm.
- User statistics.

Classes:

Deck
- List of Cards

Card
- Front
- Back
- Due Date

Architecture:

- MVC
- API Integration

Architecture of the Project:

- Use MVC for the whole Project
- Maybe use Microservices for loosely coupled functionalities
- Maybe use the Blackboard architecture for the usage of AI