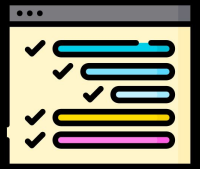
Tournament Management Software

UA Badminton Club

Junfeng Xu, Enfa George, Rupal Jain, Urvika Gola



Structure of the Presentation

1. Introduction
2. Customer Need
3. Project Goals
4. System Description
5. Solution Approach
6. Project Management
7. Team
8. Constraints and Risks

Introduction

Introduction

- Our Customer: UA Badminton Club
- Their Complaint
- Our challenges
    - Lack of domain knowledge
    - Scheduling
    - New to web application development

Customer Need

Customer Need

- We have met with the customer
- An easy to use and cost effective tournament management software
- 6 high priority and 2 low priority initial stories are created

Project Goals

Project Goals

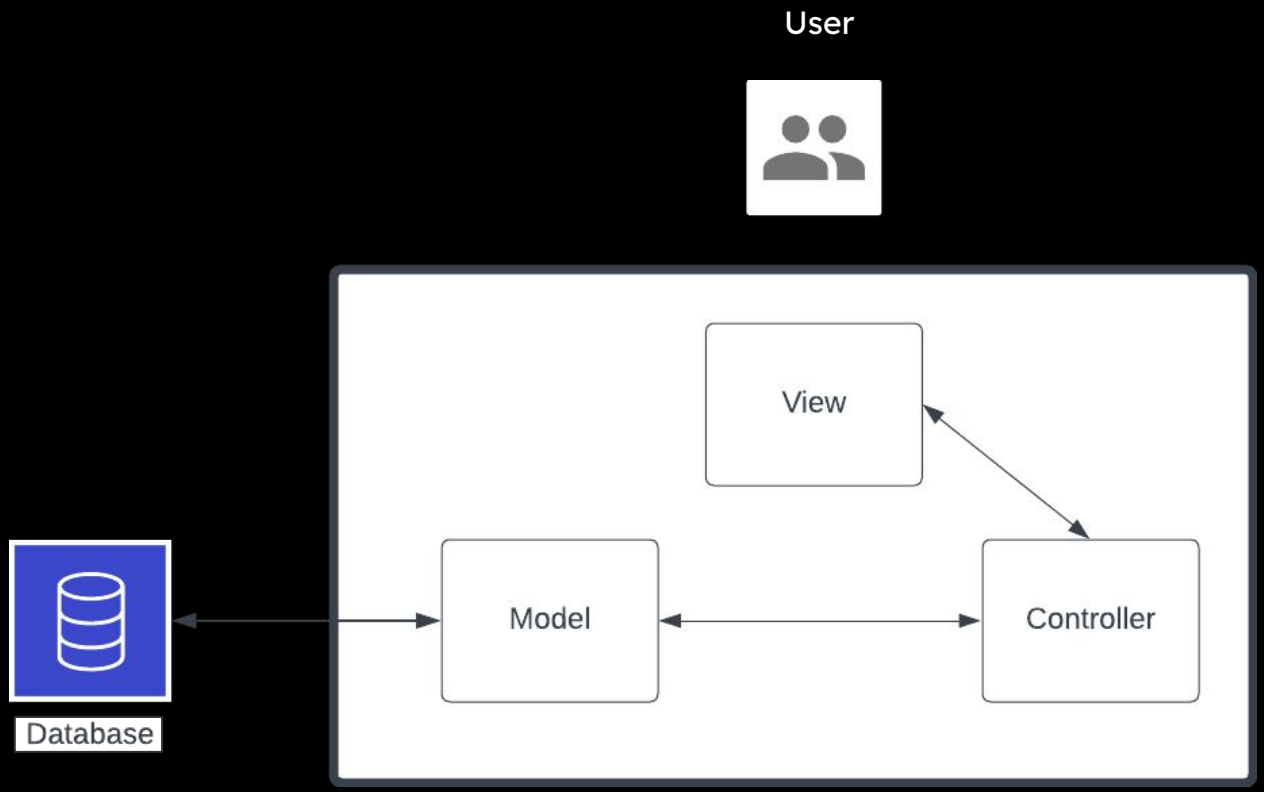
- The customer problem we are solving
- Measure of success

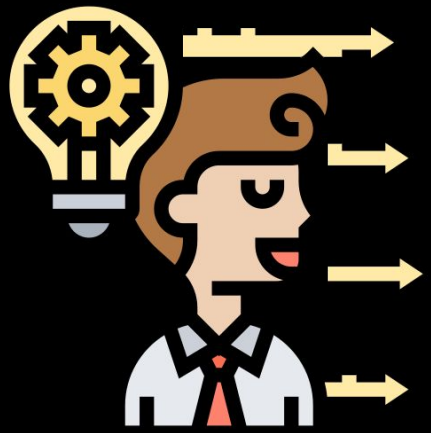
System Description

Main Modules

- Registration
- User Management
- Seed & Draw
- Match Management

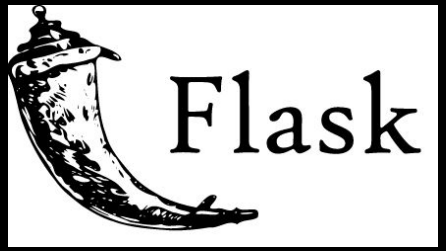
System Description



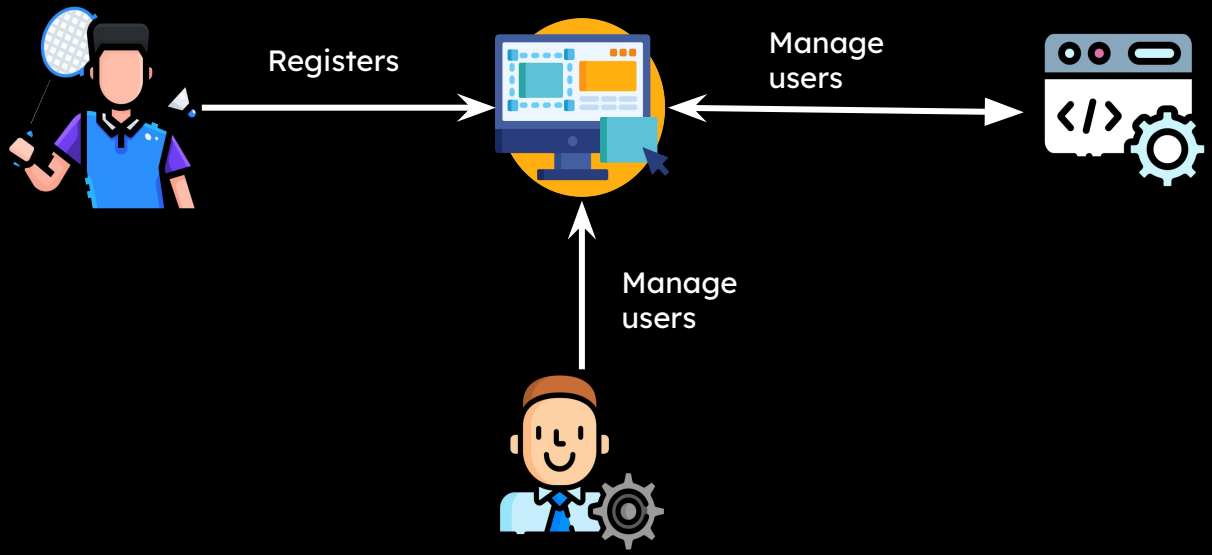


Solution Approach

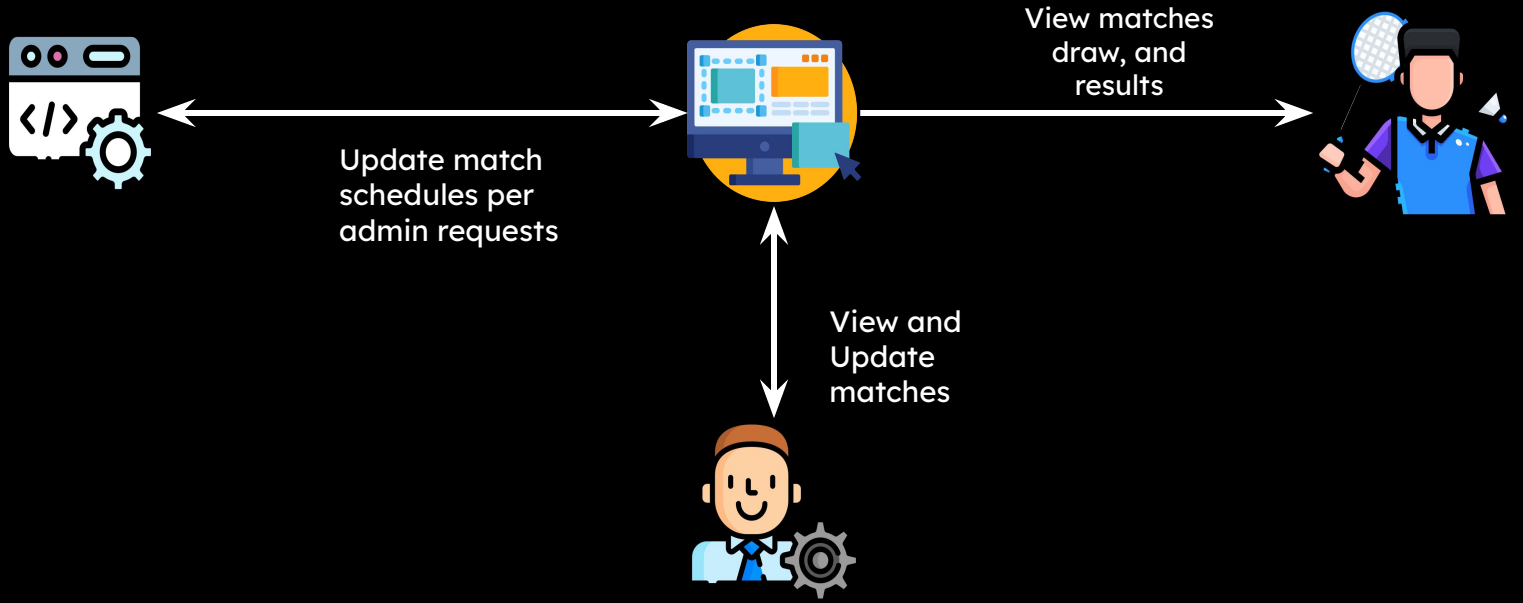
Platforms, tools, libraries



System Workflow (when registration is open)

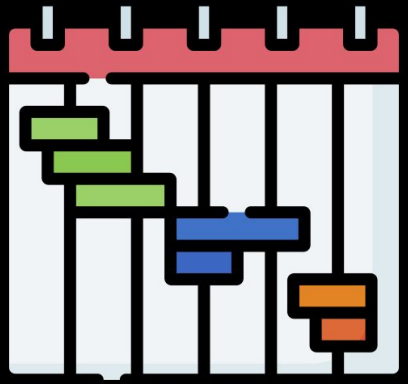


System Workflow (once registration is closed)



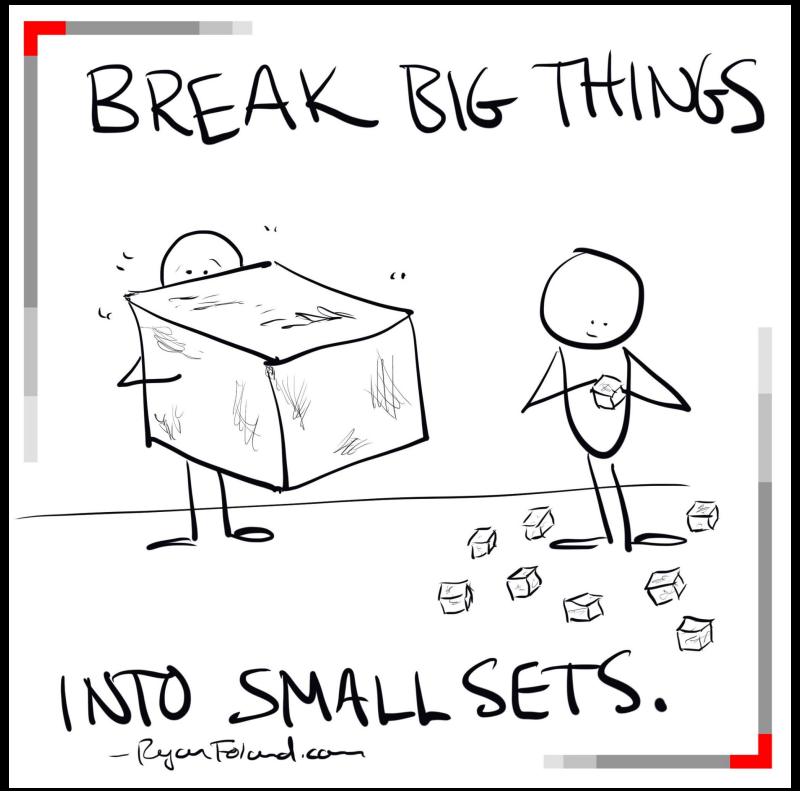
Tests and Evaluation

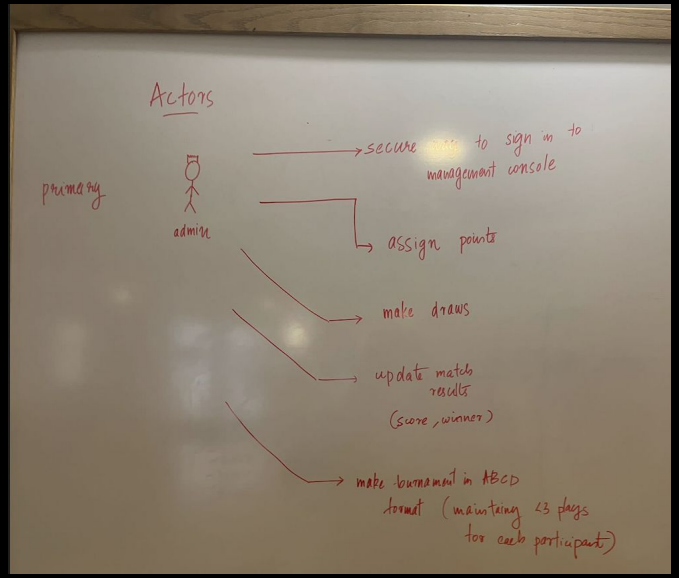
- Unit tests
- Integration tests
- Acceptance tests



Project Management

Distribute Work:
Break work into smaller, manageable work items with a goal





Distribute Work: Skill Grid

to identify available skills and find potential skill gaps

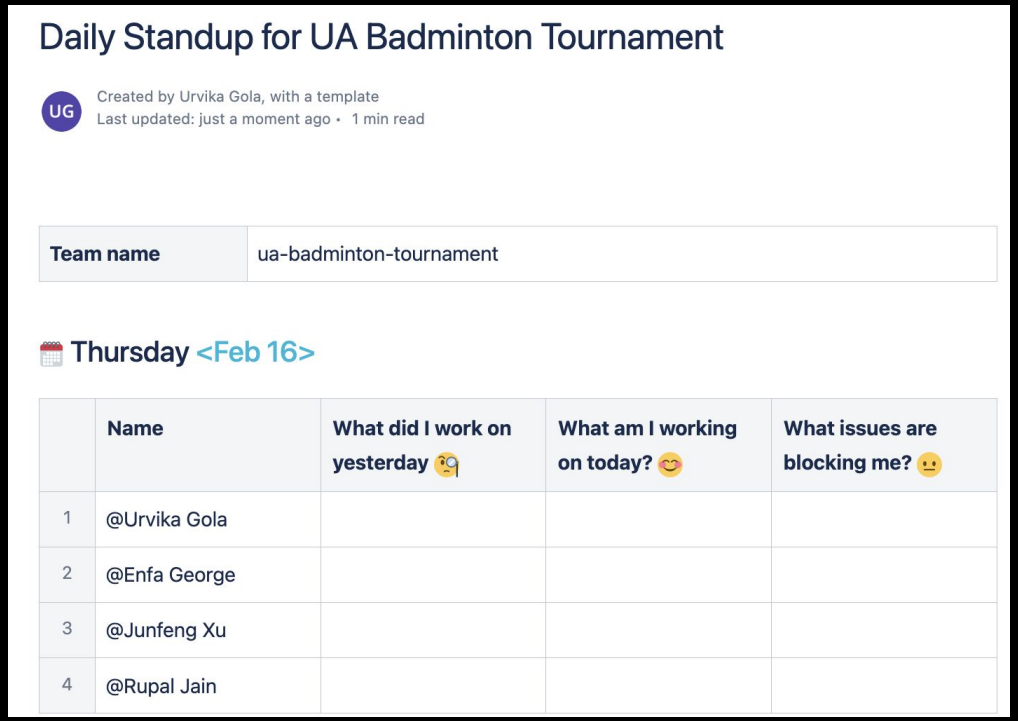
Team	Python	AWS	Flask	HTML	CSS	Design
1	8/10	7/10	9/10	7/10	3/10	2/10
2	4/10	5/10	7/10	6/10	8/10	3/10
3	6/10	9/10	5/10	8/10	5/10	7/10
4	8/10	9/10	7/10	9/10	7/10	6/10

Development Process: Scrum

1. Frequent interaction with the customer
2. Quicker releases of useable product to customers, keeping customer happy.
3. Iterative structure fostering collaboration within the team and manage risks
4. Continuous improvement
5. Sprints - Keep the focussed and the project on track

Meeting Goals

- Daily scrum: Twice in a week, update the daily standup dashboard in Altassian, Confluence tool.



Daily Standup for UA Badminton Tournament

UG Created by Urvika Gola, with a template
Last updated: just a moment ago • 1 min read

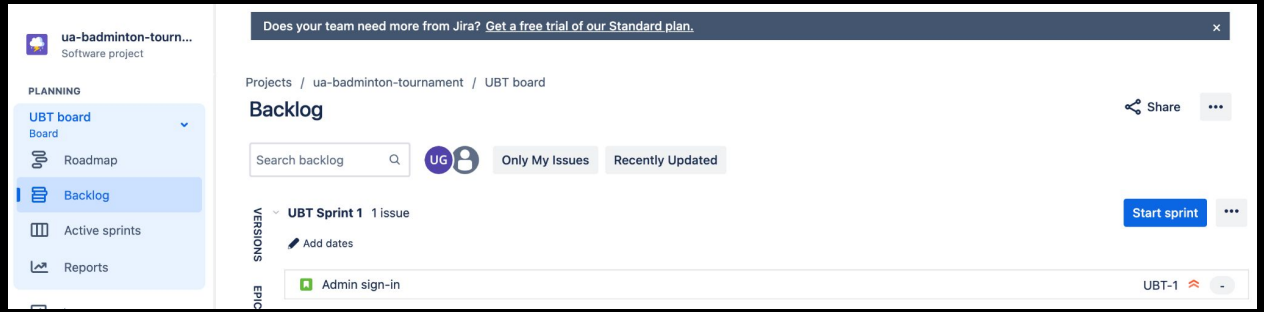
Team name	ua-badminton-tournament

🗓️ Thursday <Feb 16>

	Name	What did I work on yesterday 🧐	What am I working on today? 😊	What issues are blocking me? 😐
1	@Urvika Gola			
2	@Enfa George			
3	@Junfeng Xu			
4	@Rupal Jain			

Meeting Goals (contd..)

- Update Jira dashboard: Create / update Epics, Tasks, Stories, Bugs, Sprint progress

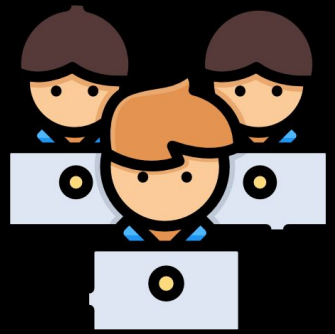


- Sprint Retrospective: Bi-weekly, update Sprint backlog, update product backlog
- Review risks (requirements change, team coordination (schedule) risks, quality issues etc.)

Meeting Goals (contd..)

5. Demos with the customer
6. 360° Feedback

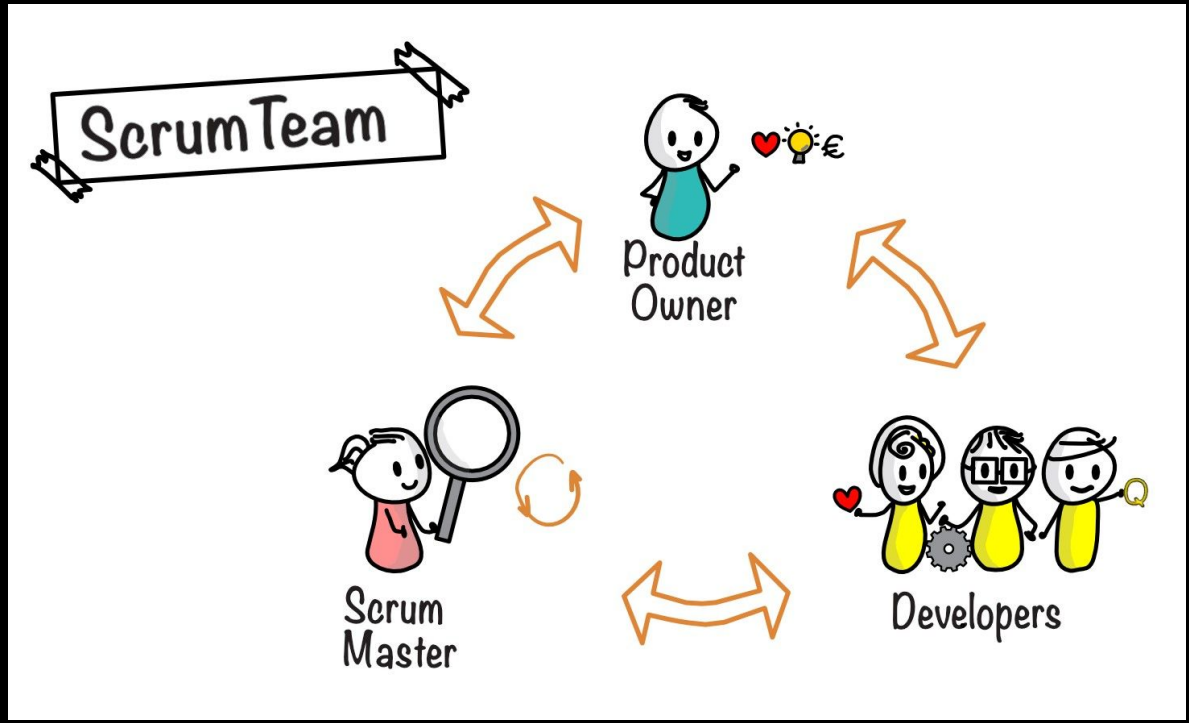
Image credits - https://www.thebalancemoney.com/360-degree-feedback-information-1917537



Team

Team /Developers:

- Junfeng Xu (Product Owner)
- Urvika Gola (Scrum Master 1)
- Rupal Jain (Scrum Master 2)
- Enfa George



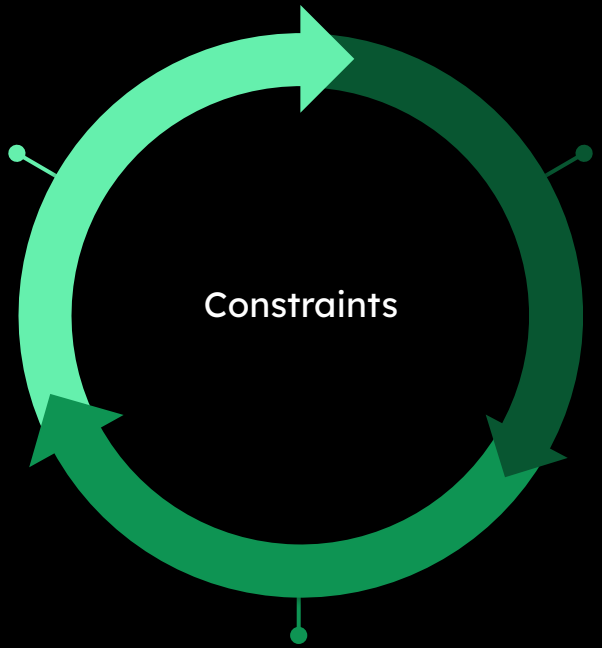
Constraints and Risks

Ethical constraints:

- PID
- Security features

Legal constraints:

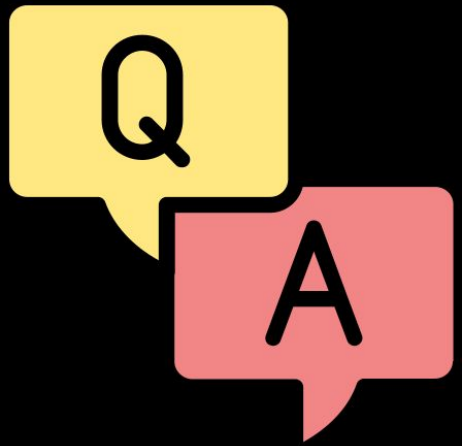
- Accessibility laws
- Copyrights/Trademarks



Risk: Data breaches, Technical failure

Policy constraints:

- Data protection.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