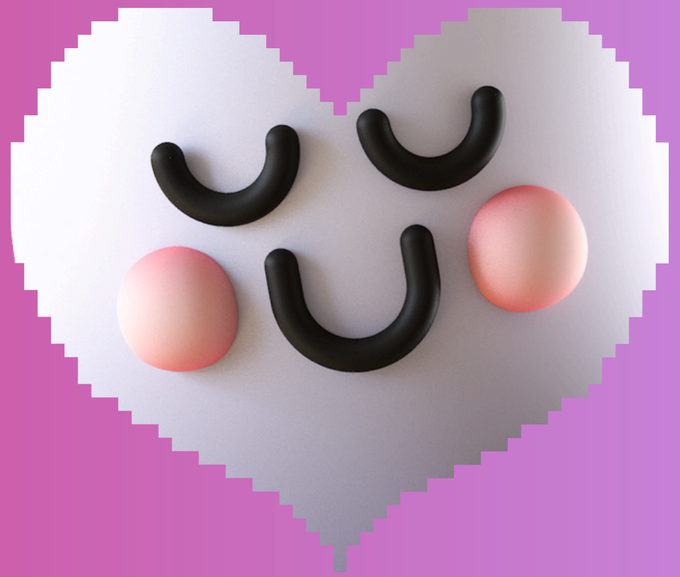

LIKE

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Overview

LIKE aims to change how users find and enjoy digital content. It is a carefully developed system that uses web scraping, machine learning, and a user-friendly interface to provide personal suggestions at your fingertips.

What differentiates LIKE is its holistic approach; it brings together a wide variety of materials, such as music, books, films, and more, and also focuses on user privacy and data security.

PROJECT REQUIREMENTS

Functional Requirements

1. Registration system
2. Profile management
3. Recommendation engine
4. Search feature
5. Cross-recommendation
6. Travel and Recipe suggestions
7. Feedback mechanism
8. Bookmarking
9. Notification system
10. User-Friendly Interface

Non-Functional Requirements

1. Performance
2. Easy to Scale
3. Reliability feature
4. Compatibility
5. User experience
6. Privacy feature
7. Security feature
8. Integrity feature
9. Multiple languages
10. Backup and Recovery

STAKEHOLDERS

Developers

Advertisers

Users

Streaming Services

Customer

Investors

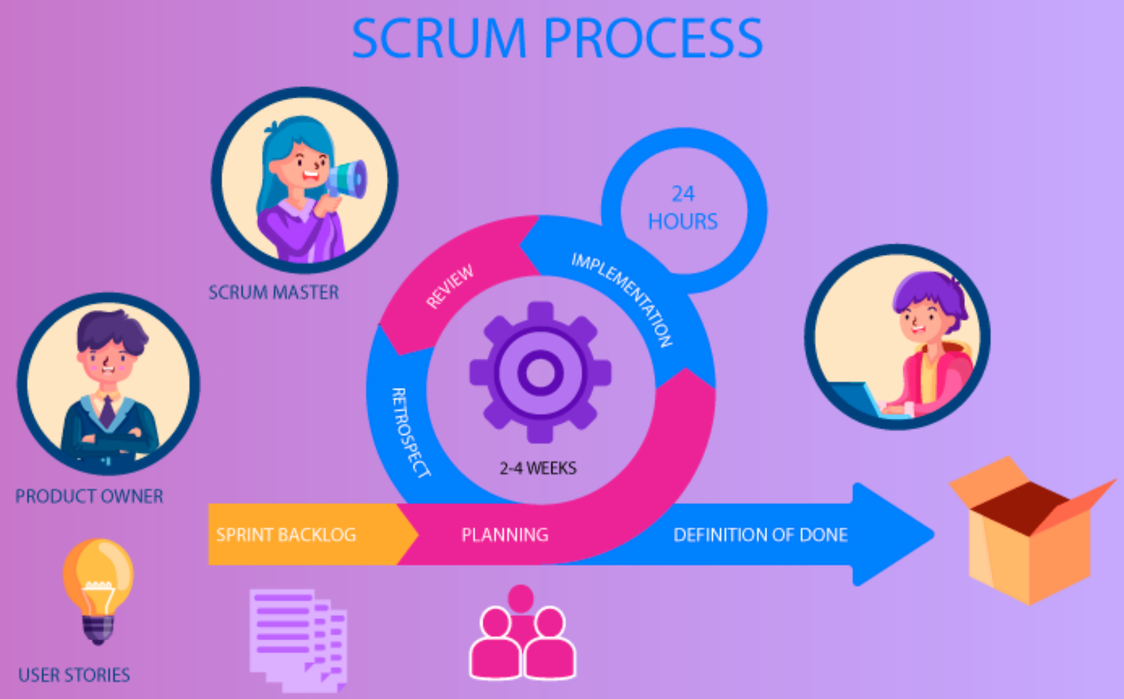
SOFTWARE PROCESS MODEL

NECESSARY NEEDS FROM THE ORGANIZATIONAL PROCESS

- Clear Objectives
- Effective Communication
- Robust Risk Management
- Resource Allocation
- Roles and Responsibilities
- Management Procedures
- Quality Assurance
- Documentation
- Stakeholder Engagement

SOFTWARE PROCESS NAME: SCRUM

- Sprint Planning
- Sprint
- Sprint Review
- Sprint Retrosceptive
- Incremental Delivery
- Integration And Testing



PRODUCT BACKLOG

- Data Collection
- Database Design
- User Authentication and Profile Management
- Recommendation Engine Development
- User Interface Design
- Cross-Recommendation
- Feedback and Rating System
- Bookmarking and Notification
- Accessibility and security
- Testing

SPRINTS

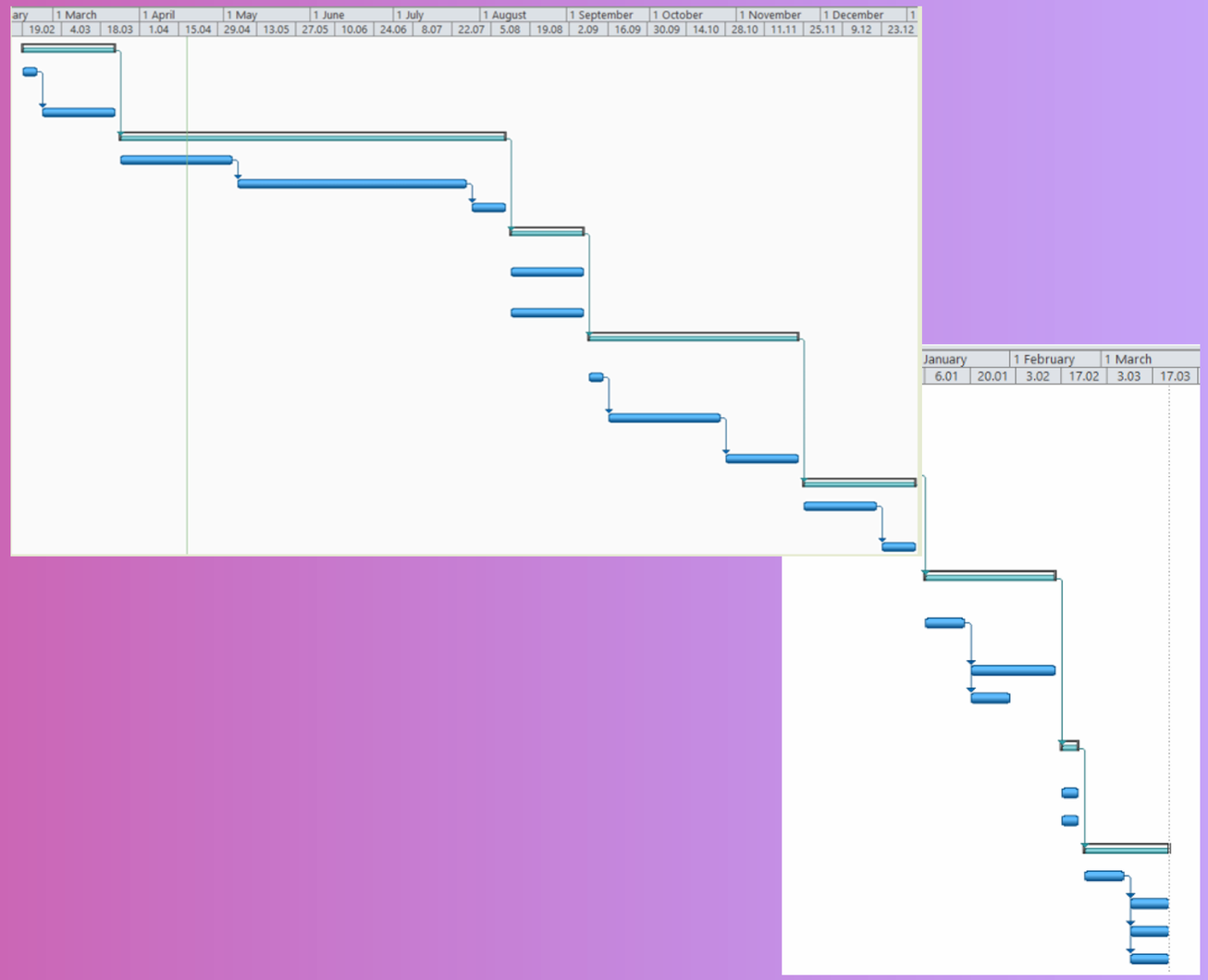
- Sprint 1 (Data collection), 3 weeks
- Sprint 2 (Database management), 4 weeks
- Sprint 3 (User features), 4 weeks
- Sprint 4 (Engine development), 8 weeks
- Sprint 5 (UI design), 4 weeks
- Sprint 6 (Cross-recommendation and feedback system), 4 weeks
- Sprint 7 (Bookmarking and notifications), 2 weeks
- Sprint 8 (Security and testing), 6 weeks

REASONS TO CHOOSE THIS MODEL

- Iterative Development
- Flexibility
- Stakeholder Collaboration
- Risk Management

Schedule and Gantt Chart

	Task Mode	Task Name	Duration	Start	Finish	Predecessors
1		**Data Collection and Web Scraping**	**25 days**	**Mon 19.02.24**	**Fri 22.03.24**	
2		Identify and Select Review Platforms and Data Sources	5 days	Mon 19.02.24	Fri 23.02.24	
3		Develop Web Scraping Mechanism	20 days	Mon 26.02.24	Fri 22.03.24	2
4		**Database Design and Implementation**	**100 days**	**Mon 25.03.24**	**Fri 9.08.24**	**1**
5		Design Database Schema	30 days	Mon 25.03.24	Fri 3.05.24	
6		Implement Database Functionality	60 days	Mon 6.05.24	Fri 26.07.24	5
7		Set up Data Storage and Retrieval M	10 days	Mon 29.07.24	Fri 9.08.24	6
8		**User Authentication and Profile Management**	**20 days**	**Mon 12.08.24**	**Fri 6.09.24**	**4**
9		Implement User Registration and Login Functionality	20 days	Mon 12.08.24	Fri 6.09.24	
10		Develop Profile Creation and Editing	20 days	Mon 12.08.24	Fri 6.09.24	
11		**Recommendation Engine Development**	**55 days**	**Mon 9.09.24**	**Fri 22.11.24**	**8**
12		Research and Select Machine Learning Algorithms	5 days	Mon 9.09.24	Fri 13.09.24	
13		Implement Recommendation Engine Functionality	30 days	Mon 16.09.24	Fri 25.10.24	12
14		Train Recommendation Models	20 days	Mon 28.10.24	Fri 22.11.24	13
15		**User Interface Design**	**30 days**	**Mon 25.11.24**	**Fri 3.01.25**	**11**
16		Design User Interface for Web and Mobile Platforms	20 days	Mon 25.11.24	Fri 20.12.24	
17		Create Prototypes	10 days	Mon 23.12.24	Fri 3.01.25	16
18		**Cross-Recommendation and Feedback System**	**30 days**	**Mon 6.01.25**	**Fri 14.02.25**	**15**
19		Implement Cross-Recommendation Functionality	10 days	Mon 6.01.25	Fri 17.01.25	
20		Develop Algorithms	20 days	Mon 20.01.25	Fri 14.02.25	19
21		Implement Feedback and Rating Features	10 days	Mon 20.01.25	Fri 31.01.25	19
22		**Bookmarking and Notification Systems**	**5 days**	**Mon 17.02.25**	**Fri 21.02.25**	**18**
23		Implement Bookmarking System	5 days	Mon 17.02.25	Fri 21.02.25	
24		Implement Notification System	5 days	Mon 17.02.25	Fri 21.02.25	
25		**Testing and Quality Assurance**	**20 days**	**Mon 24.02.25**	**Fri 21.03.25**	**22**
26		Develop Automated Testing Scripts	10 days	Mon 24.02.25	Fri 7.03.25	
27		Unit Testing	10 days	Mon 10.03.25	Fri 21.03.25	26
28		Integration Testing	10 days	Mon 10.03.25	Fri 21.03.25	26
29		System Testing	10 days	Mon 10.03.25	Fri 21.03.25	26



PROJECT MEASUREMENTS

Measurement Questions

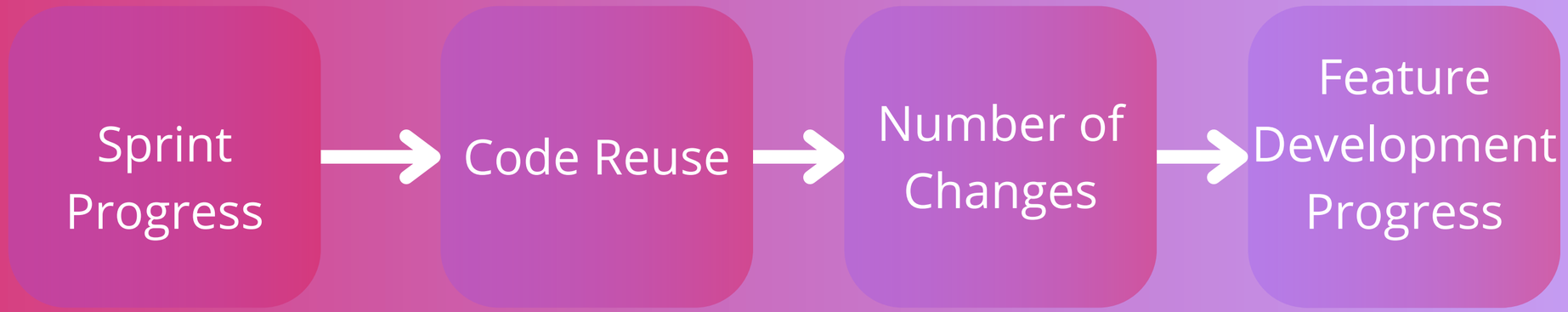
1.How much progress has been made in the project plan for each sprint, are the sprints being completed within the scheduled time?

2.What percentage of code was reused from earlier projects or libraries?

3.How many changes did we make during each sprint?

4.What is the status of the development of LIKE’s features?

Measurement Types



PROJECT RISKS

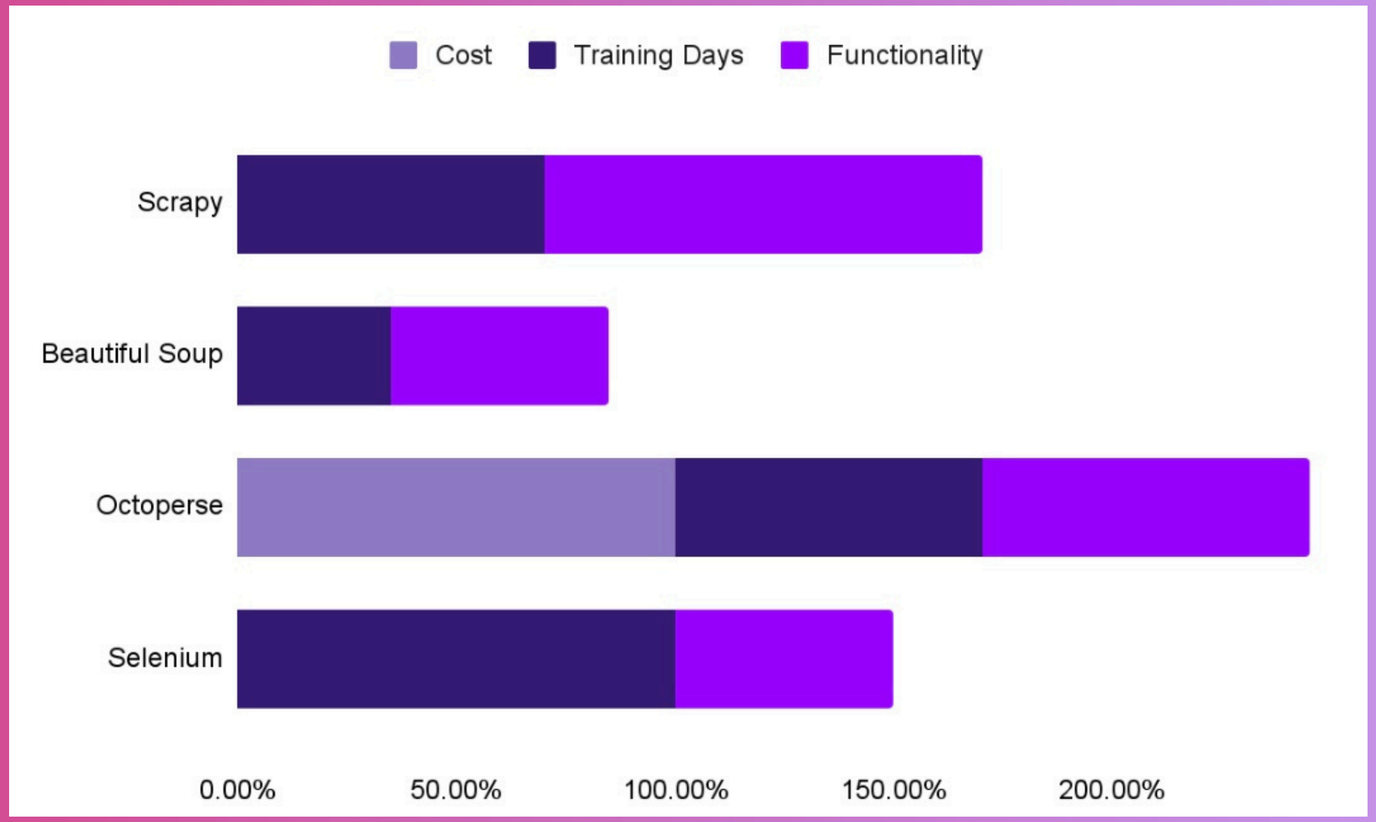
Project Risks

1. Data security
2. Budget limitations
3. Database management
4. Legal issues
5. Data collection
6. Hardware management
7. Machine learning model accuracy
8. Testing, debugging, training

PROJECT TOOLS

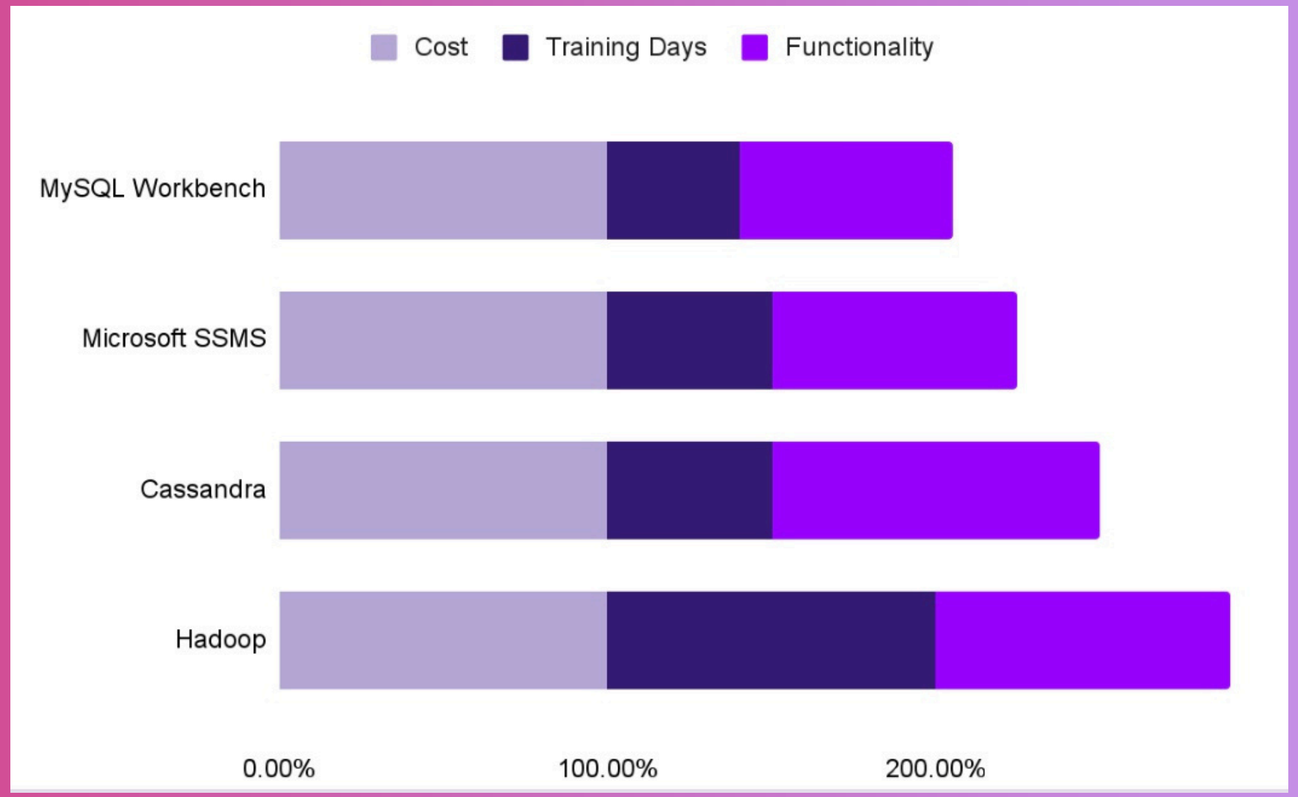
Software Tools: Data Collection

The best tool we can use in LIKE is Scrapy



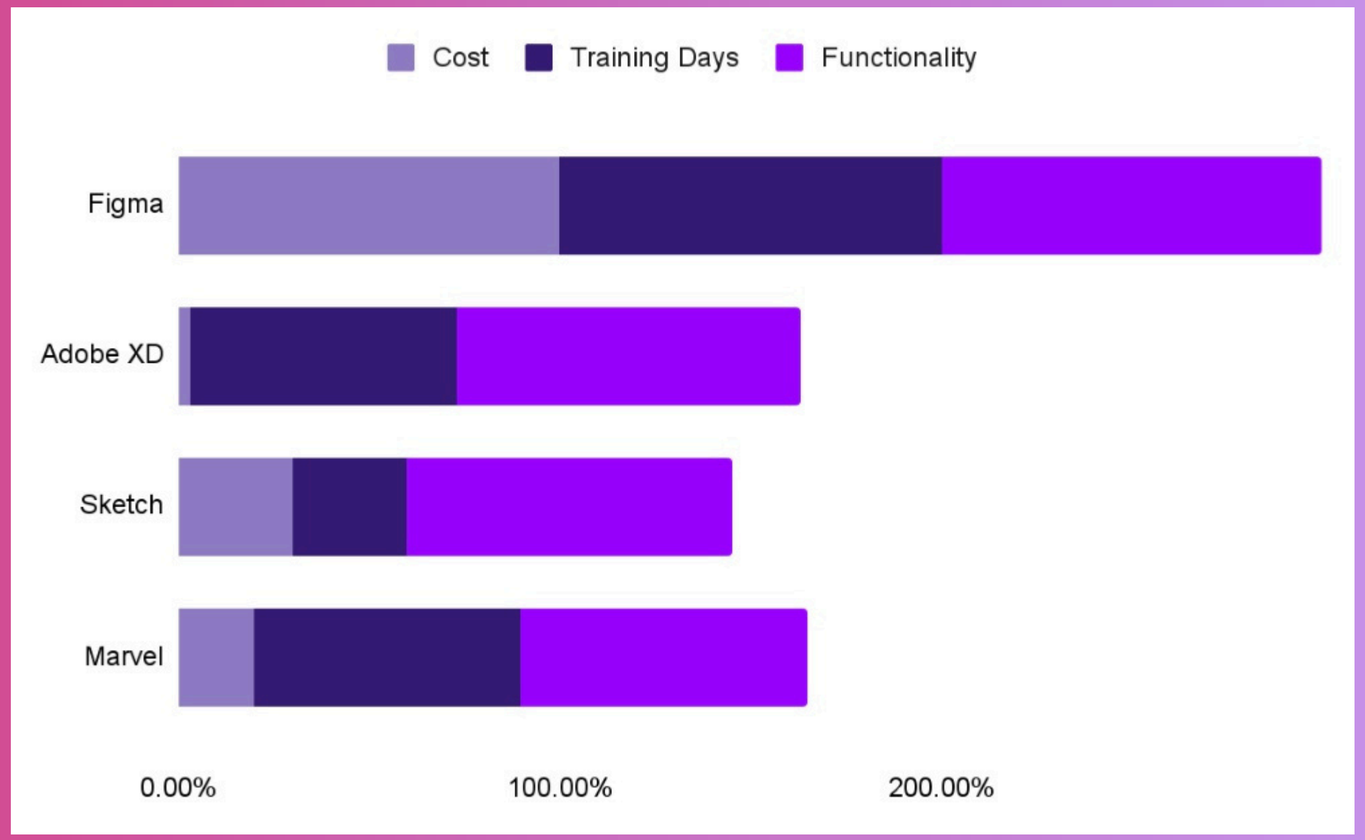
Software Tools: Database Design

The best tool we can use is Apache Cassandra



Software Tools:
UI Design

The best tool we can use is Adobe XD



SOFTWARE NEEDS

Software Needs

- Programing language
- Database Management System
- Integrated Development Environment
- Version Control
- APIs
- User Interface (UI) Design
- Server Hosting

HARDWARE NEEDS

Hardware Needs

- Computers or Mobile Devices
- Test Devices
- Network Equipment
- Storage Devices
- Additional Equipment
- Server

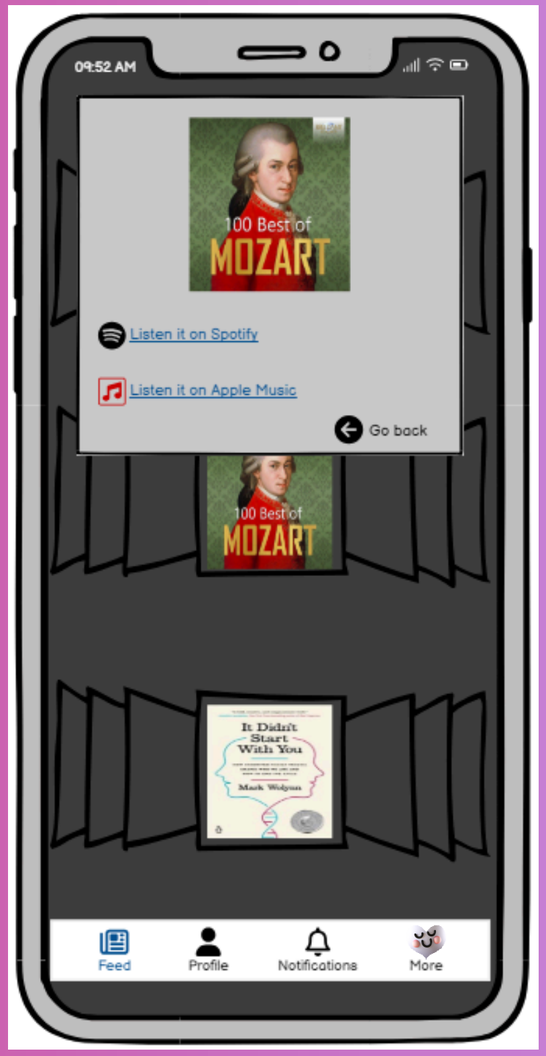
SUPPORT NEEDS

Support Needs

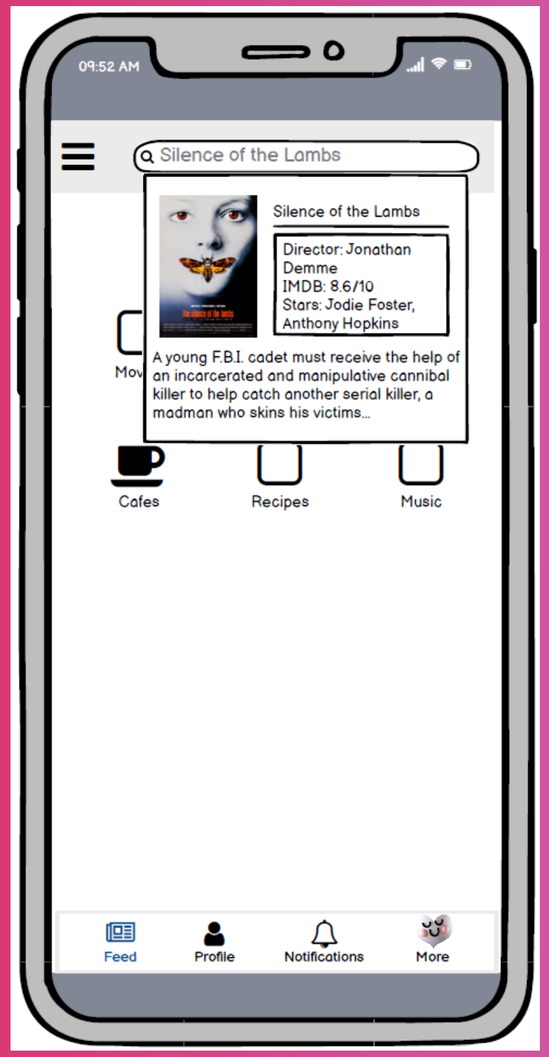
- Technical Support
- Testing Support
- Education and Academic Resources

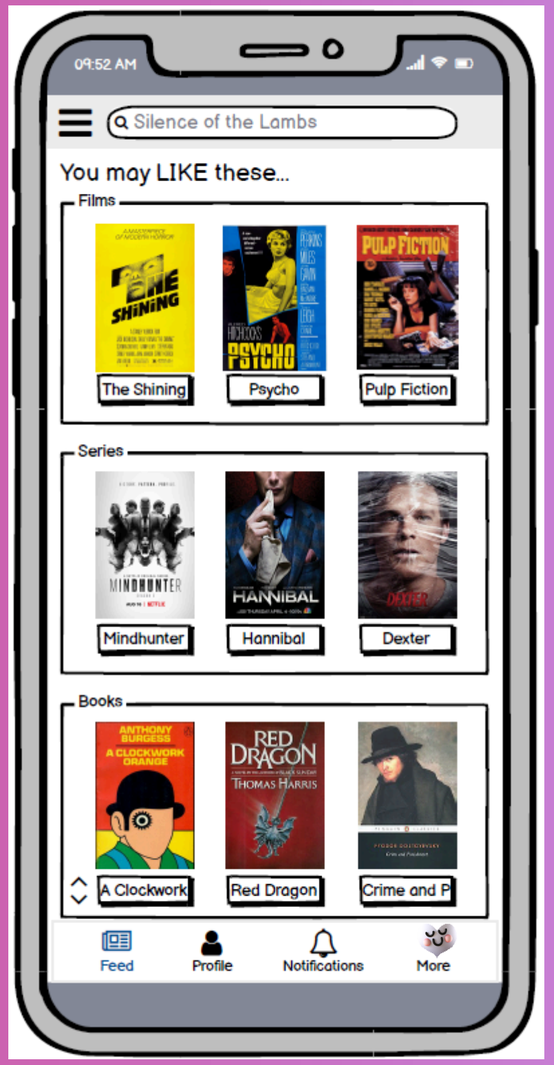
GUI DESIGN

GUI DESIGN
PERSONAL FEED

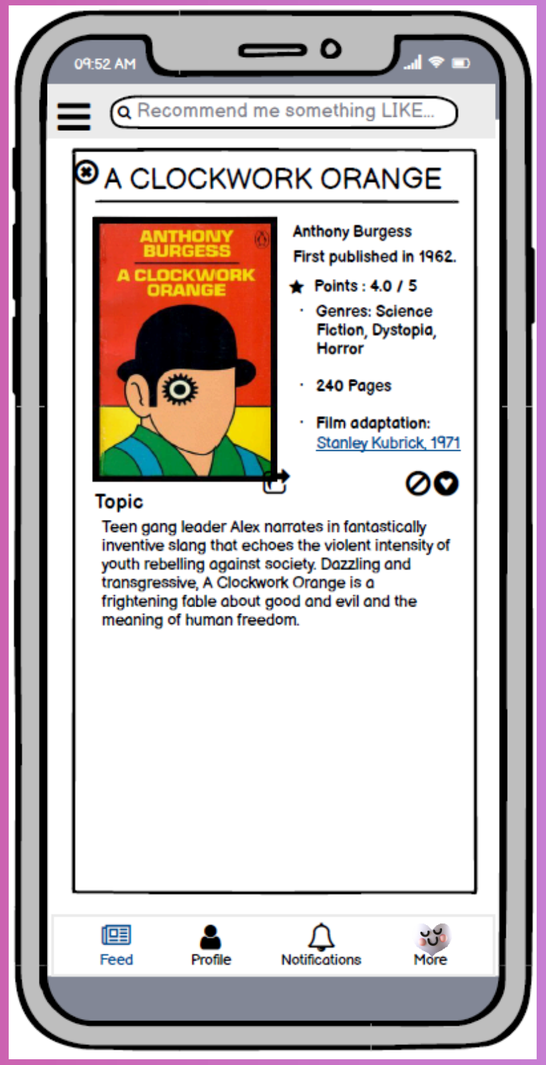


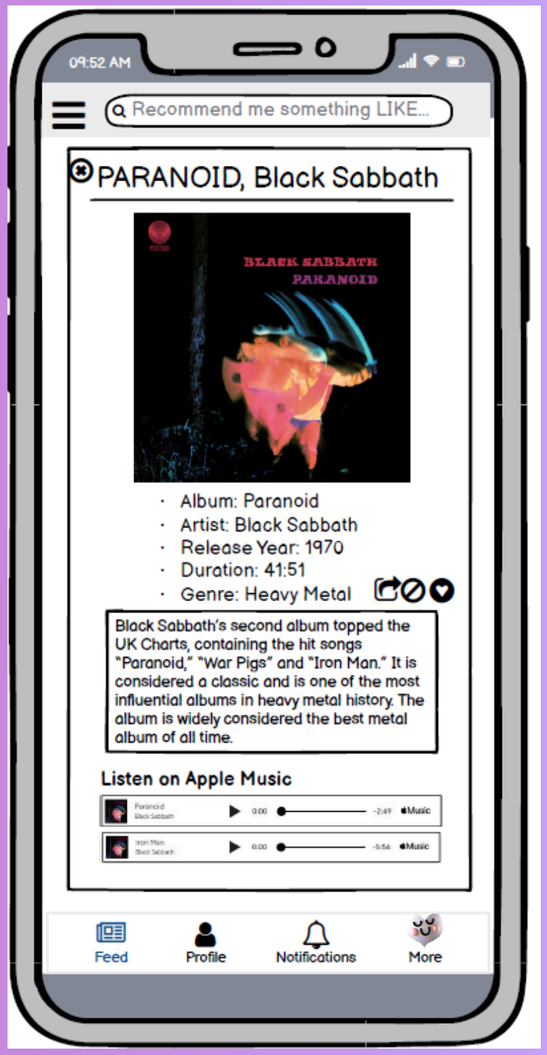
GUI DESIGN
SEARCH



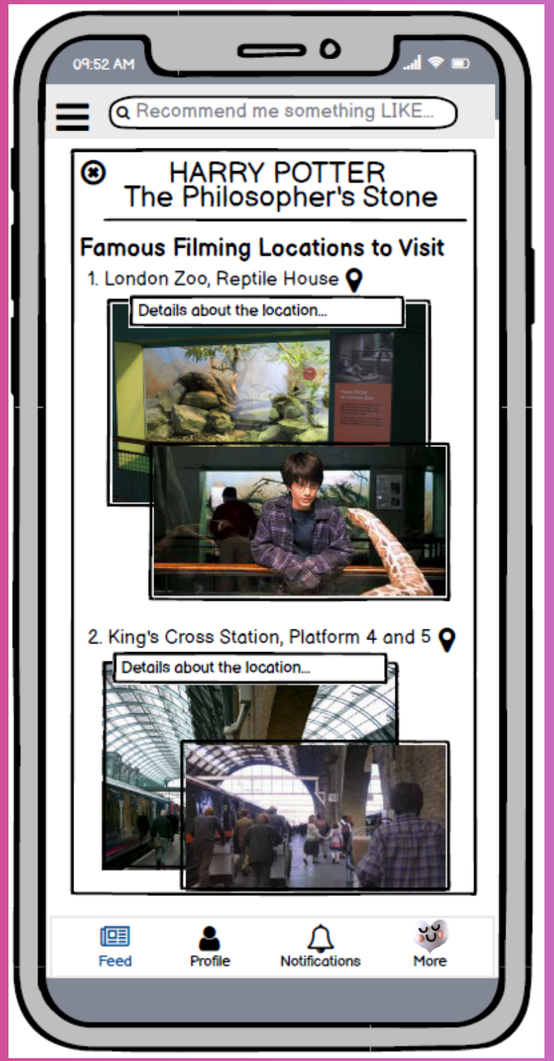


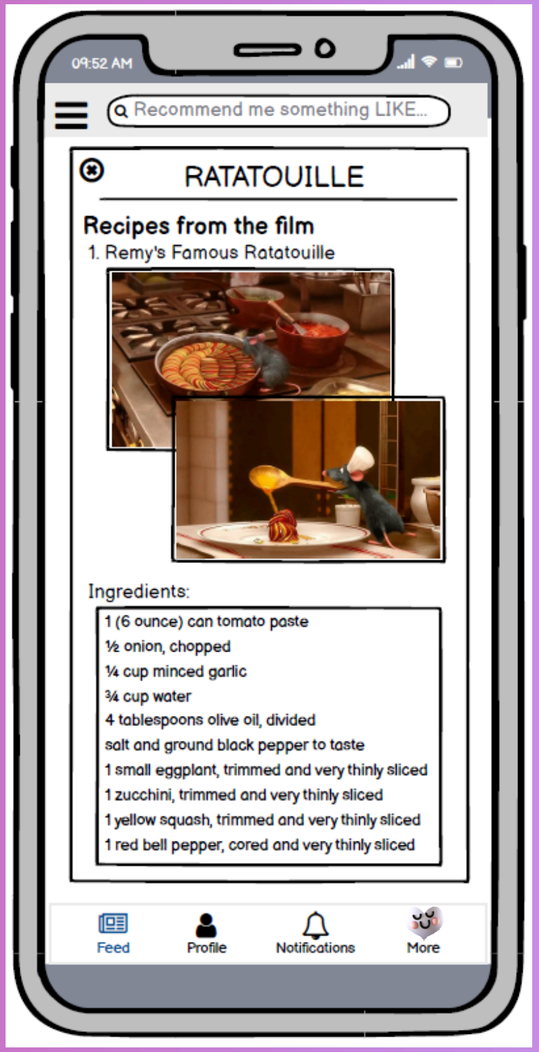
GUI DESIGN
SEARCH

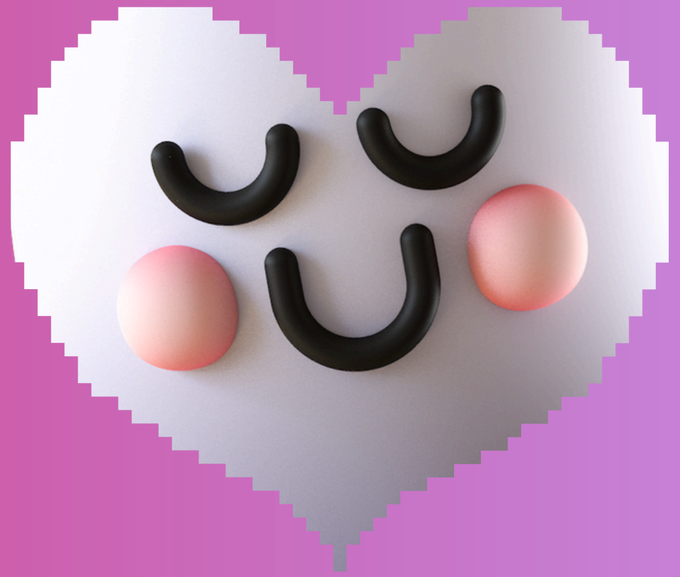




GUI DESIGN
SEARCH







Thank you for listening!

If you have any questions, we are here to answer them.