



# Hays Search *Website Revamp*

Group 5 Final Presentation

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May 4, 2023



# ***Hays Search***

A bridge between job seekers and recruiters  
Aim: Enhance user experience, responsiveness, layout, and accessibility

## **Current Issues**

### ***Responsiveness***

Slow loading times, confusing navigation

### ***Design***

Outdated layout, impacting user experience

### ***Accessibility***

Limited reach and privacy concerns

## **Proposed Solutions**

### ***Front-end improvements***

Squarespace's

### ***Optimized search functionality***

Elastic Search

### ***Enhanced accessibility***

One Touch internal web app



# ***Enhancements & Benefits Improvements and Impact on Business Needs***

## ***Front End Improvements***

- Use Squarespace's for a modern and user-friendly design
- Better UI for people with different abilities

## ***Feature Additions***

- Elastic Search for faster loading times and responsiveness
- One Touch internal web app for limited users and data privacy

## ***Benefits***

- Improved user satisfaction
- Increased time spent on the website
- Cost savings in the recruiting process

# System Requirements

## **Title:Revitalizing the web page UI**

Project Sponsor: Vice president and stakeholders

Business Needs: Front End Improvements & Feature Addition

Business Requirements: Accessibility and responsiveness of the website

### ***Document***

Reviewed current user guide and system architecture documents to get in depth knowledge about the project and how it works

### ***Interviews***

We have talked to few members who are currently working as a project manager,system architect,analyst and senior developer

### ***Observations***

A former employee's insights aided in the smooth remote development of the project with the organization's personnel.

### ***Analysis***

## **Requirement Elicitation**

# ***Organizational Workflow Streamlined Selection Process***

## ***Workflow Enhancement***

- Focus on middle-layer organization (Recruiting Director, Recruiter, Recruiting Specialist)
- Quicker sourcing of suitable candidates

## ***Project Impact***

- Improved selection process time and experience
- Positive effect on the organization's energy and cost savings





# ***Feasibility Analysis***


## **Technical Feasibility**

- Data architecture
- User experience
- Search algorithms
- Scalability
- Security

## **Economic Feasibility**

- Cost of improvement
- Competition
- Timeframe
- User feedback
- Scalability

## **Organizational Feasibility**

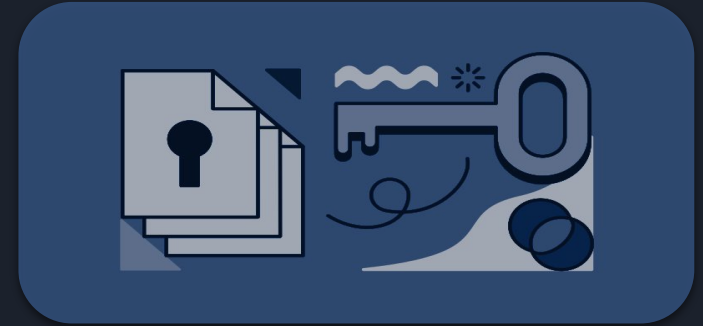
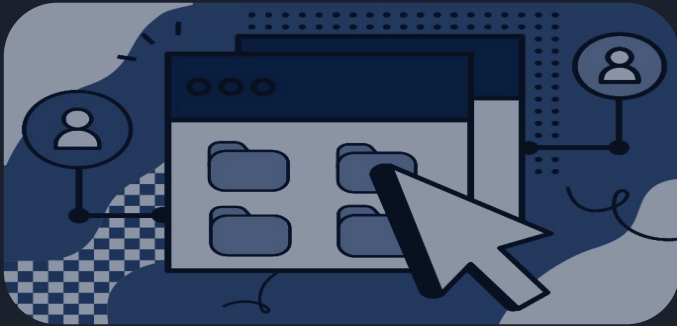
- Resources
  - Technical expertise
  - Organizational Culture
  - Stakeholder support
  - Legal and regulatory requirements
  - Competitive landscape
- 

# *Key Functional Requirements for Hays Job Search*

## *Process Oriented Requirements*

Job Search and Application  
Personalized Job Alerts

Job Postings Management  
User Profile Management



## *Data Oriented Requirements*

Industry Insights and Career Advice  
Social Media Integration

Data Privacy  
User Activity Tracking

User Authentication and Authorization  
Integration with Other Systems

## About Milestones

Milestones make it easier to keep projects on track by calling out major events, dates, decisions, and deliverables. Here are a few milestones that we have set in our project.

[illegible]





# Management Planning

## ***Roles and responsibilities***

*We have planned to complete the project in 2 phases. In each phase we are changing the roles of the team members so that everyone is exposed to the roles.*

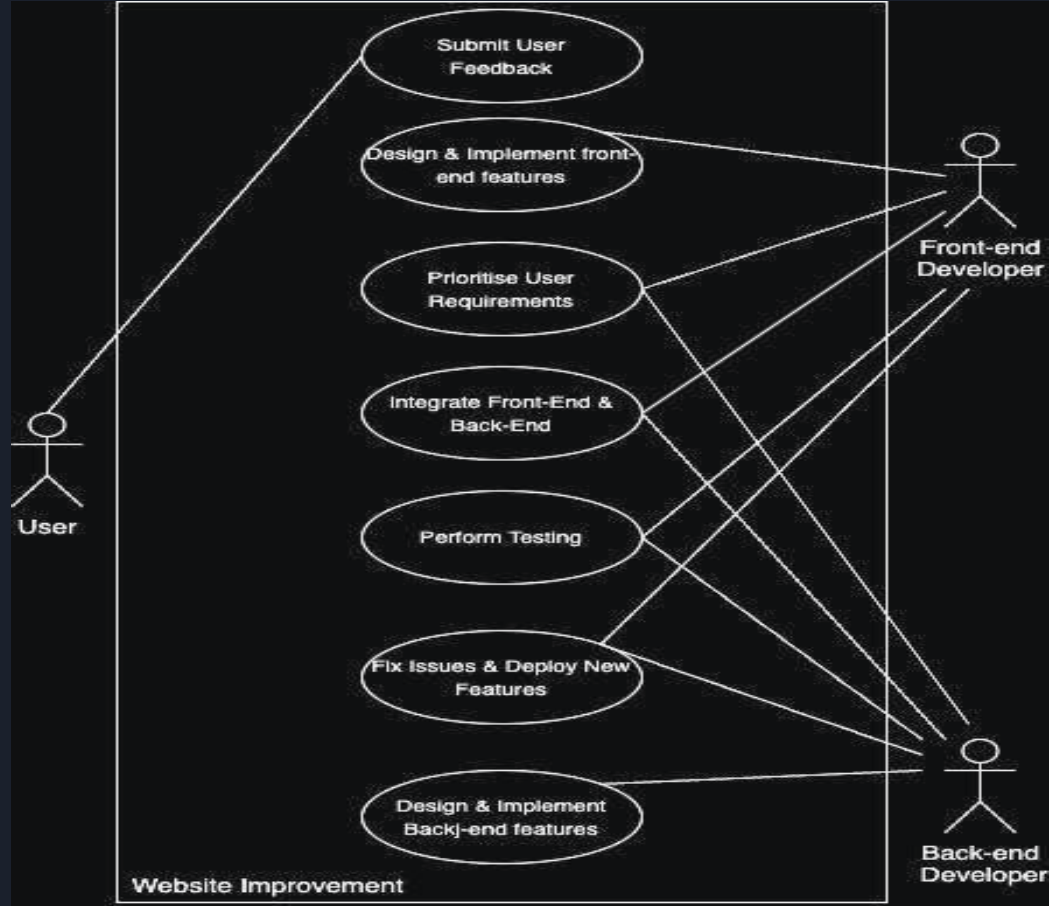
## ***Development Model***

*We have used Agile development methodology because we needed a continuous feedback from the user/customer to update the website.*

## ***Communication***

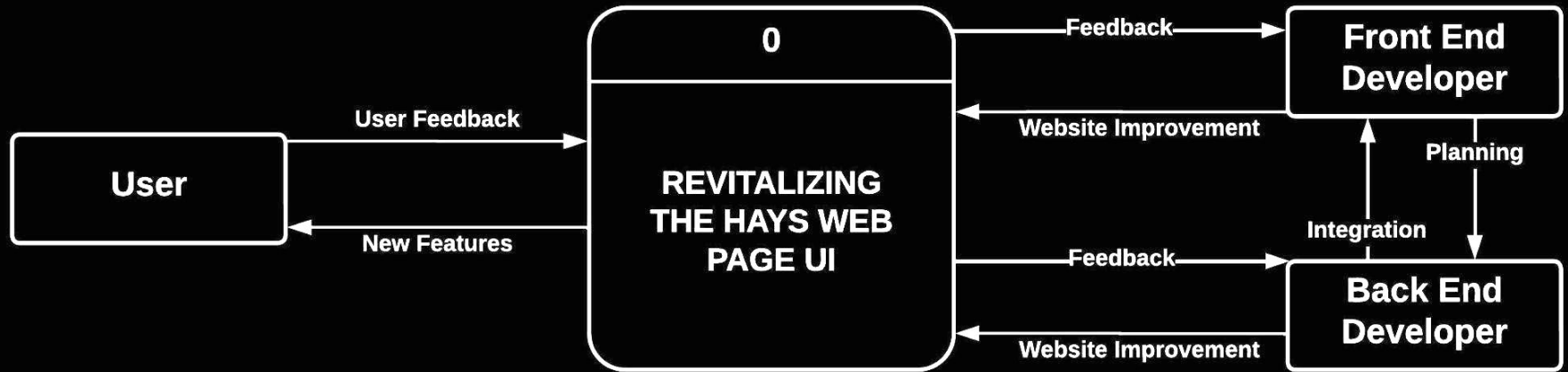
*For effective communication we are using google docs, google meet, drive, Blackboard*

# USE CASE DIAGRAM



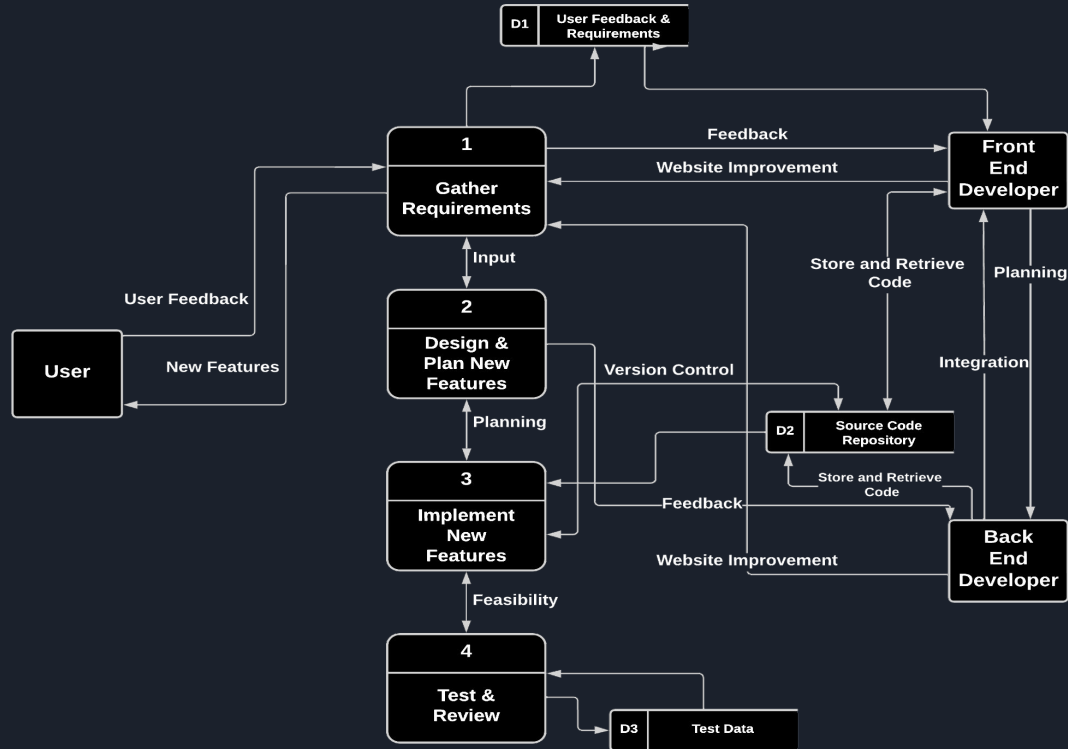
# Data Flow Diagram

## Context Diagram



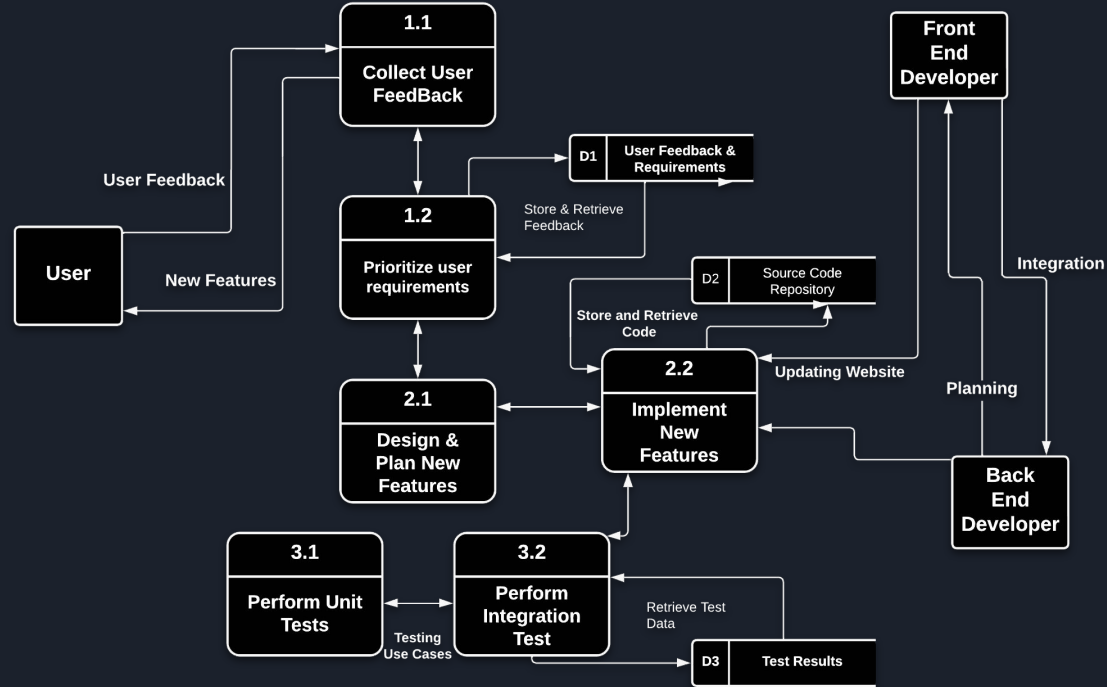
# Data Flow Diagram

## Level 0



# Data Flow Diagram

## Level 1

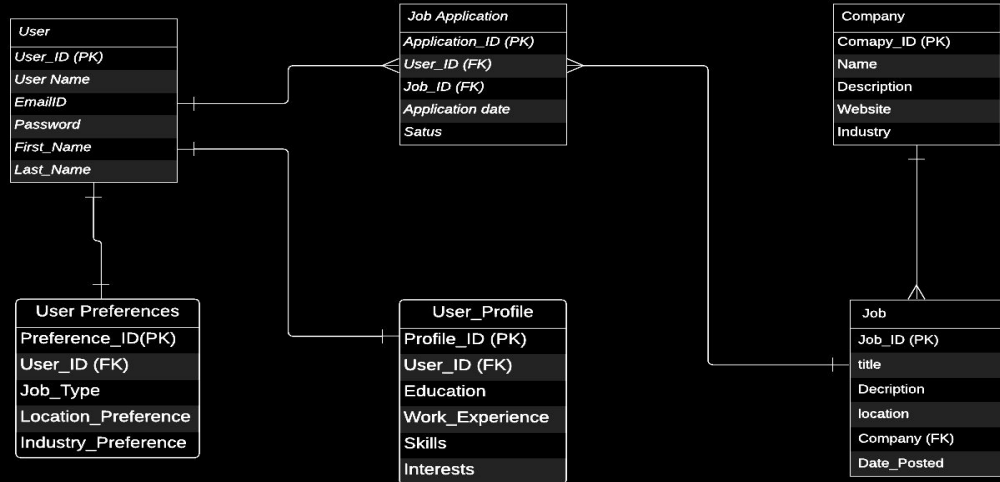


# Use Cases

|   |         |               |  |         |               |
|---|---------|---------------|--|---------|---------------|
| Use case: Feedback  | ID:UC-1 | Priority:High | Use case: Design back-end features   | ID:UC-3 | Priority:High |
| Actor: User   |         |               | Actor: Back-end developer  |         |               |
| Description:The user submits feedback on the website's existing features or suggests a new feature. |         |               | Description:The backend developer designs the server side logic and data processing to support the new feature |         |               |
| Trigger: User accesses the website and navigates to the feedback form                               |         |               | Trigger: User requirements have been prioritized   |         |               |
| Type: <input checked="" type="checkbox"/> External <input type="checkbox"/> Temporal                |         |               | Type: <input type="checkbox"/> External <input checked="" type="checkbox"/> Temporal                           |         |               |
| Preconditions: The website is accessible to the user  |         |               | Preconditions: User requirements have been prioritized and approved.   |         |               |

|   |         |               |   |         |               |
|---|---------|---------------|---|---------|---------------|
| Use case: Design Front-end features   | ID:UC-2 | Priority:High | Use case: Integrate frontend and backend  | ID:UC-4 | Priority:High |
| Actor: Front-end developer  |         |               | Actor: Frontend developer, Back-end developer   |         |               |
| Description:The fron-tend developer designs the user interface and experience for the new feature |         |               | Description:The frontend and backend developer integrates their features to ensure that they work together seamlessly |         |               |
| Trigger: User requirements have been prioritized  |         |               | Trigger: Frontend and backend features are implemented  |         |               |
| Type: <input type="checkbox"/> External <input checked="" type="checkbox"/> Temporal              |         |               | Type: <input type="checkbox"/> External <input checked="" type="checkbox"/> Temporal                                  |         |               |
| Preconditions: User requirements have been prioritized and approved.                              |         |               | Preconditions: Frontend and backend features are approved.  |         |               |

# Entity Relationship Diagram



## Individual Contributions

| Name                | Contributions   | Initial Roles   | Updated Roles  | Percentage |
|---------------------|---|---|--|------------|
| Ameenur Rahman Khan | <ul style="list-style-type: none"><li>-Project description</li><li>-Functional requirements</li><li>-Data Flow Diagram</li><li>-System design alternative</li><li>-Future works</li></ul> | <ul style="list-style-type: none"><li>-Scrum Master</li><li>-Graphic Designer</li><li>-Project Manager</li></ul>                | <ul style="list-style-type: none"><li>-Scrum Master</li><li>-Information Architect</li><li>-Back End Developer</li></ul> | 33%        |
| Gurleen Kaur        | <ul style="list-style-type: none"><li>-System request</li><li>-Feasibility Analysis</li><li>-Use case diagram</li><li>-Requirements Elicitation</li><li>-Conclusion</li></ul>             | <ul style="list-style-type: none"><li>-Business Analyst</li><li>-System Analyst</li><li>-Front End Developer</li></ul>          | <ul style="list-style-type: none"><li>-Graphic Designer</li><li>-Front End Developer</li><li>-Business Analyst</li></ul> | 34%        |
| Tarunsingh Jodha    | <ul style="list-style-type: none"><li>-Management and planning</li><li>-Non-functional requirements</li><li>-Context diagram</li><li>-ER diagram</li><li>-Miscellaneous</li></ul>         | <ul style="list-style-type: none"><li>-Information Architect</li><li>-Requirement Analyst</li><li>-Back End Developer</li></ul> | <ul style="list-style-type: none"><li>-Project Manager</li><li>-Requirement Analyst</li><li>-System Analyst</li></ul>    | 33%        |



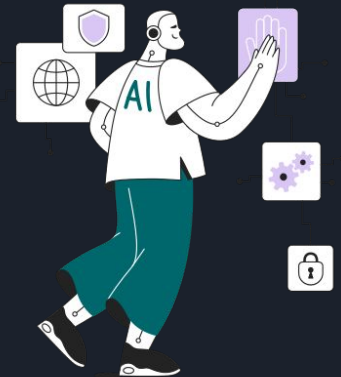
# Future Works

-Hays is planning to develop an office space in the metaverse, becoming the first recruitment agency to do so.

-The metaverse allows people to meet through avatars in virtual environments, with many useful applications.

-Future work on the website can leverage machine learning algorithms to tailor search results to individual users' preferences and integrate voice search capabilities.

-These developments can make the search process faster, more convenient, and efficient.



# Conclusion

- The project successfully updated the hays.com website, improving user experience and adding new features.
- The ERD and DFD aided communication among team members and ensured smooth implementation of changes.
- Integrating with third-party applications or services may expand the platform's reach and functionality, securing hays.com's position as a leading employment platform.

