

# Fishbone Diagram

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**Campus Placement Portal**

# Fishbone Diagram for **User Interface Design**

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The user interface, serves as the point of interaction between users and a software application, website, or device.





# User Interface Design

## Navigation Complexity

- Lack of intuitive menu structures
- Overwhelming options and buttons
- Poorly organized content
- No Clear Path or Flow
- Inadequate Testing and User Feedback

## Inconsistent Design Elements

- Mismatched color schemes and fonts
- Varying button styles and sizes
- Contradictory design patterns
- Inadequate Quality Control

## Responsiveness

- Performance and Loading Speed
- Difficulty in adapting the interface to various screen sizes.
- CSS and Styling Problems
- Limited Testing
- Incompatible Plugins or Widgets

## Performance Impact

- Slow page load times affecting the user experience
- Compatibility issues with certain browsers
- Inefficient Code
- Software Dependencies

# Fishbone Diagram for **Scalability**

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Scalability refers to the ability of a system, process, or organization to handle increased demands, workload, or growth without sacrificing performance or quality.

# Scalability

## Technical Infrastructure

- Inadequate server capacity.
- Network Latency
- Lack of Load Balancing
- Software-Related Issues

## Resource Management

- Inefficient memory utilization.
- Inefficient Task Scheduling
- Inefficient Database Resource Usage
- Inadequate Monitoring and Alerts.

## Testing and Performance Monitoring

- Insufficient Data Analytics
- Data Anomalies
- Failure to identify performance bottlenecks.
- Lack of real-time performance monitoring.

## User Growth

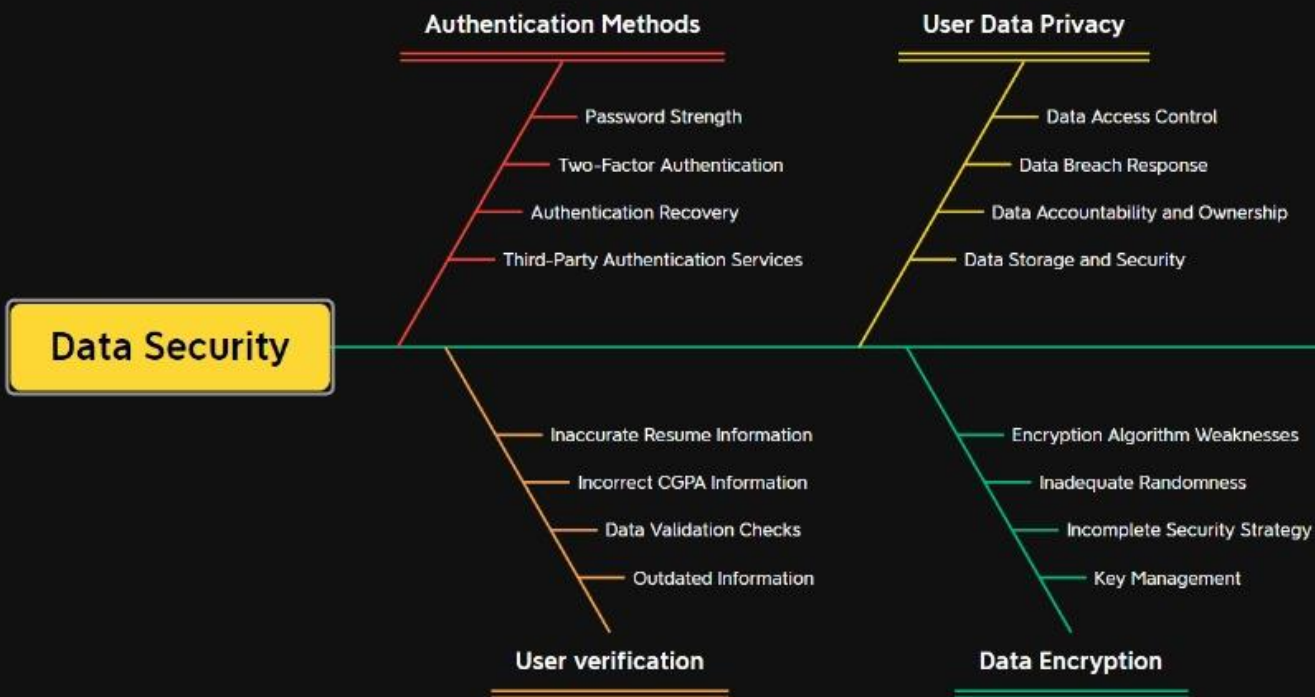
- Marketing and Outreach
- Unpredictable user registration patterns
- Seasonal spikes in traffic.
- Rapid increase in user base.



# Fishbone Diagram for **Data Security**

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Data Security makes sure to ensure the confidentiality, integrity, and availability of digital data, guarding against unauthorized access, breaches, and potential harm.



# Fishbone Diagram for **Real-Time Updates**

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Real-time updates refer to the capability of a website to display and refresh content instantly as it changes or as new data becomes available.



# Real-time Updates

## Data Synchronization Issues

- Data Integrity
- Data Consistency
- Network Issues
- Poorly Designed Real-time Components

## User Notifications

- Delivery Latency
- Server Errors and Client-Side Bugs
- User Preferences
- Platform Reliability

- Coding Errors in Real-time Modules
- Unresolved Software Defects
- Lack of Comprehensive Testing
- Lack of Documentation

## Software Bugs and Glitches

- Authentication and Authorization Delays
- Security Vulnerabilities
- User Authentication Token Expiry
- Security Patching and Updates

## Security Measures

# OUR TEAM

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