

A close-up photograph of a green leaf, showing a detailed network of veins. The veins are a lighter green color, contrasting with the darker green of the leaf's surface. The pattern of the veins is intricate and branching, typical of many plant species. The lighting is even, highlighting the texture of the leaf.

BatsInfo



Group 23

- | | |
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CLIENT

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Why we need this system ...??

Requirements & Scope



Requirements

- No specific place for researchers to store information of the researches.



Solution

- Implementing a database
 - Efficient data entering and retrieving
 - Complete, accurate and reliable information
- Sharing knowledge through forums and publishing articles
- Connecting Google Maps with the database to view locations



Functional & Non- functional Requirements



Functional Requirements

- Public access for site
- Only researchers allowed to access the database
- Facility to share ideas through forums and articles



Functional Requirements

- Find locations of the flying mammals using Google maps
- View full description about a specific mammal
- Generate pdf
 - News
 - Research papers
 - Bats' details

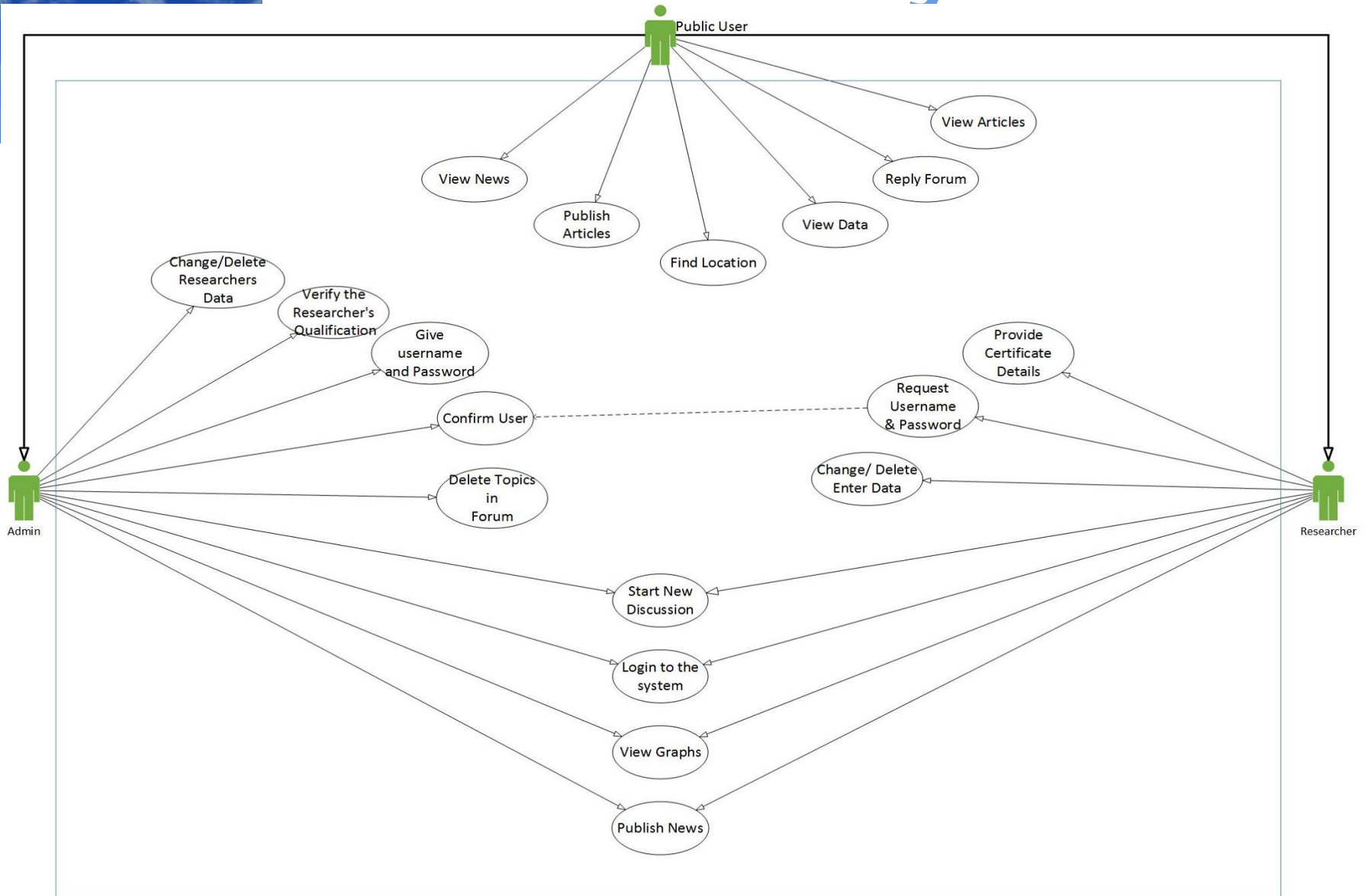


Non-functional Requirements

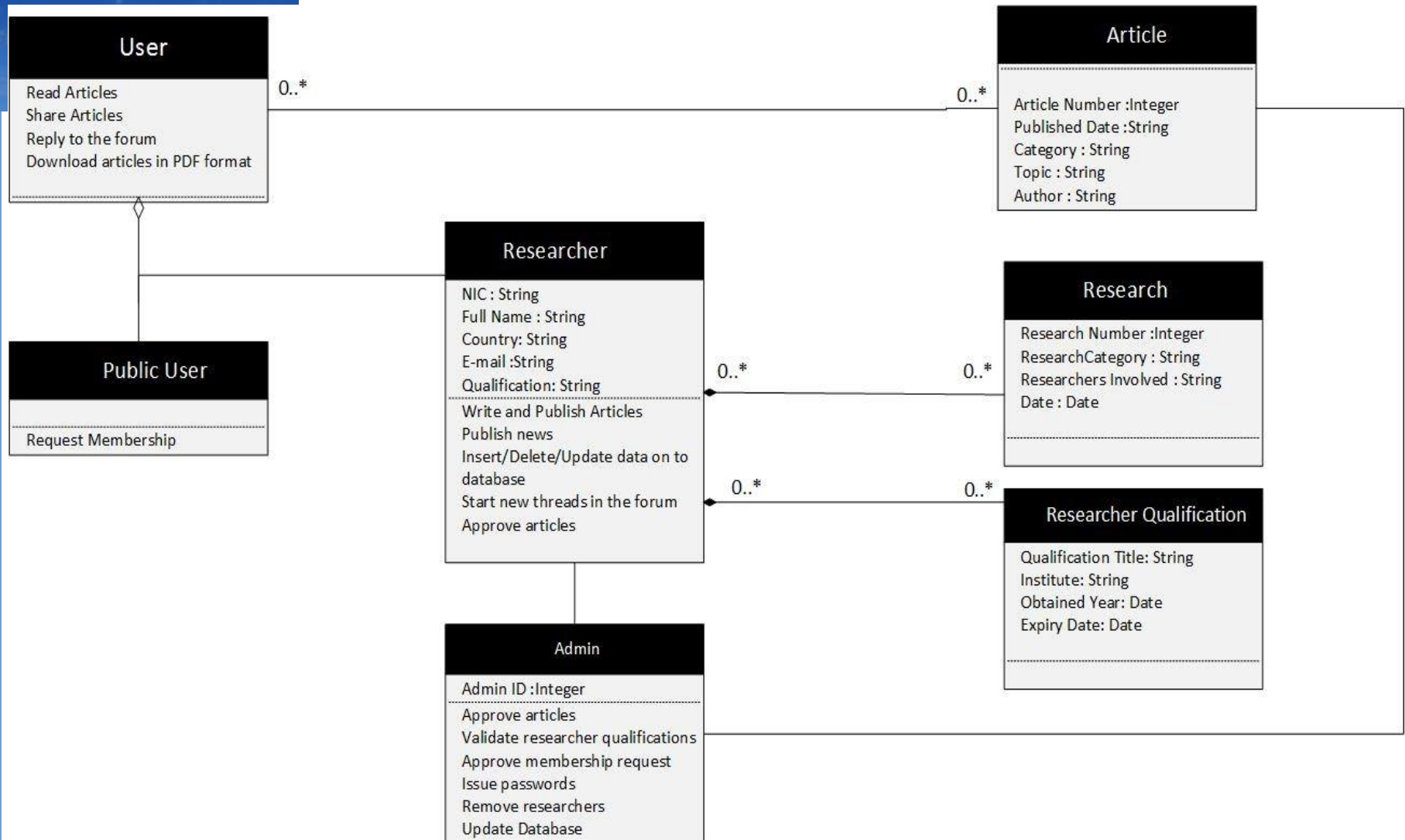
- Maintainability
 - Providing comprehensive user manuals
- Accuracy
 - Provide access levels to each user
- Efficiency
 - Quickly access to the database
 - Changes can be made easily
- Security
 - Backup system
- User friendly interface
 - Web site to access database

System Analysis & Design

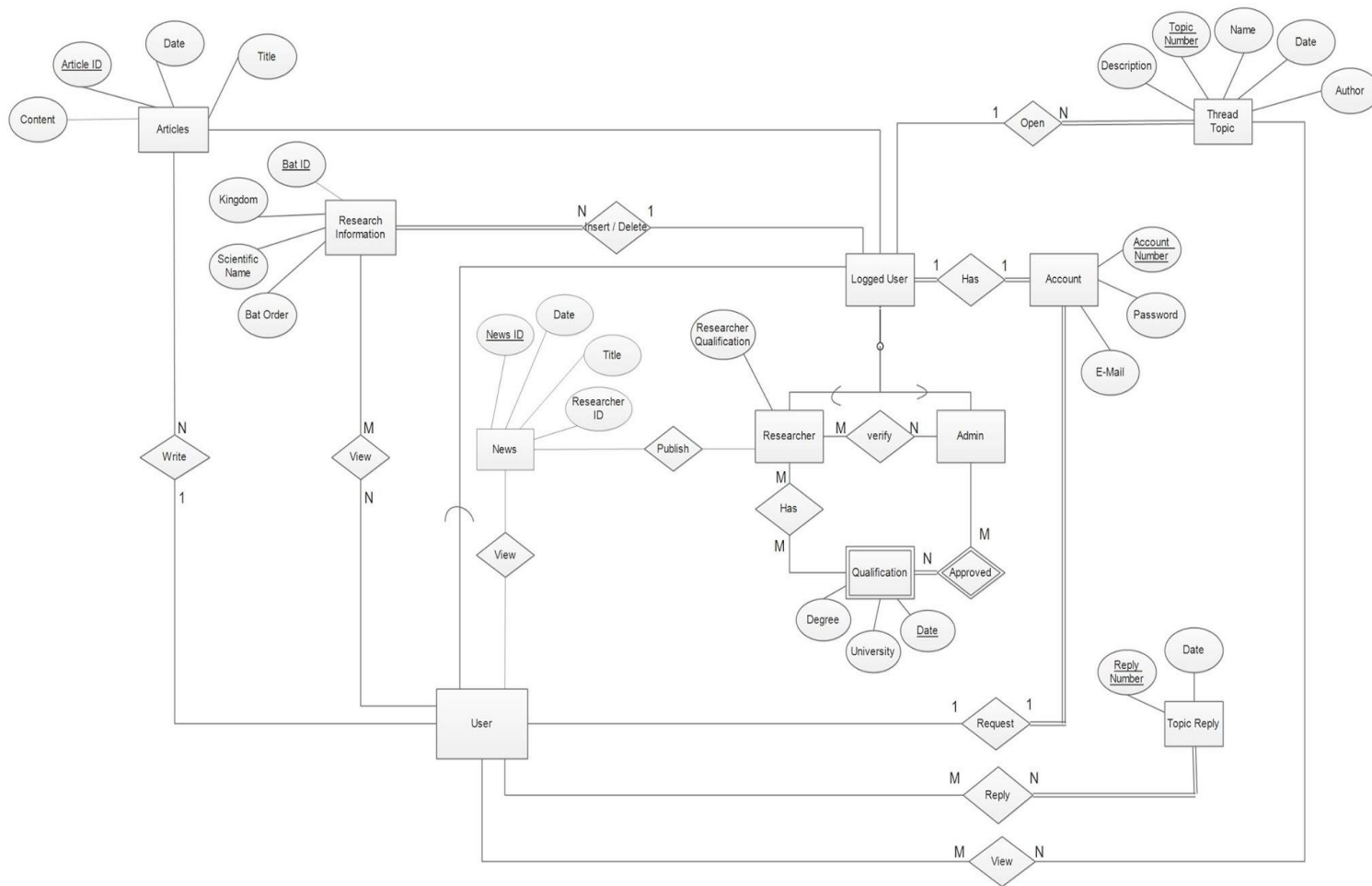
Use Case Diagram



Class Diagram

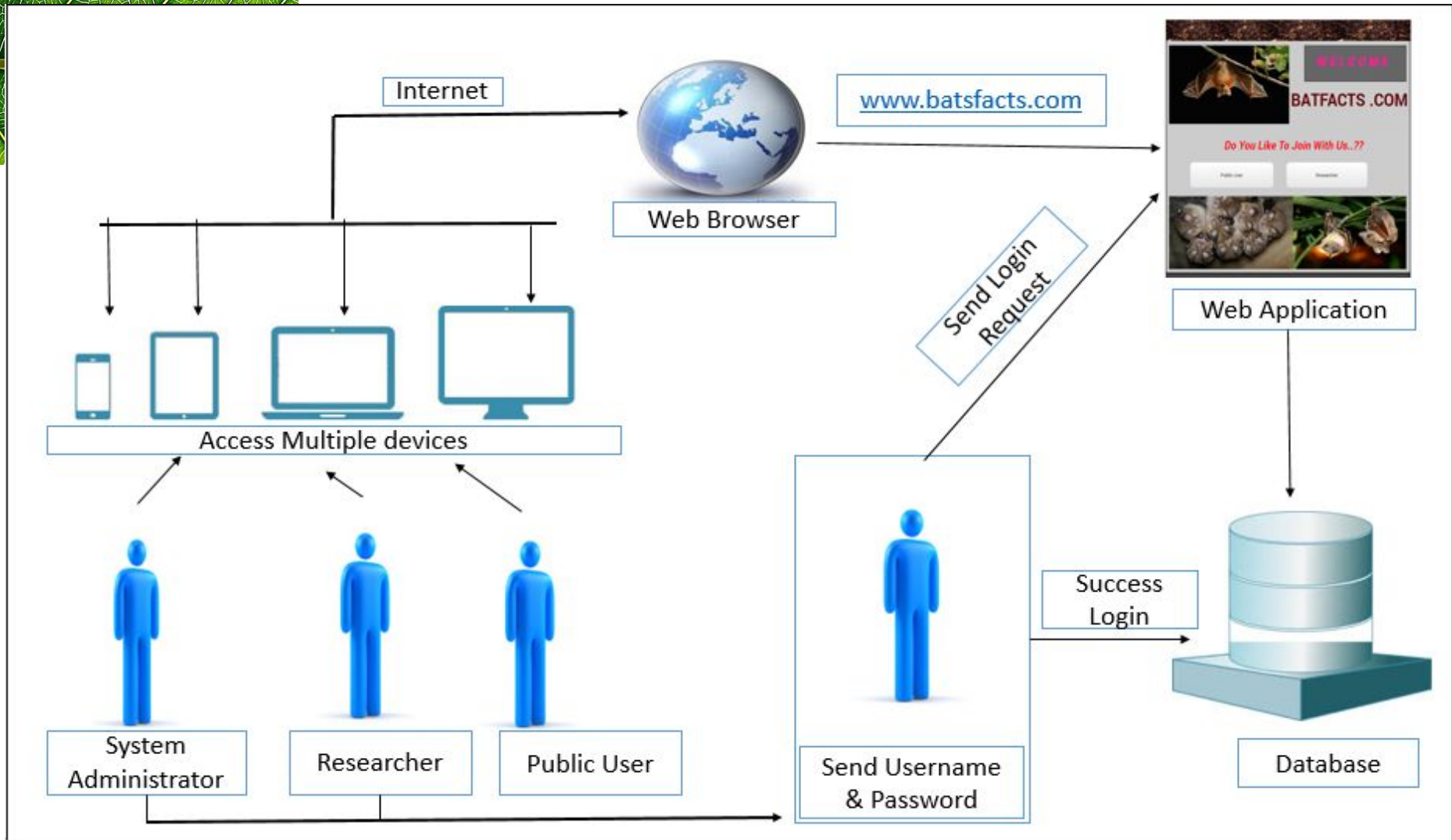


ER Diagram





System Architecture



Demonstration

Usability & User Experience
Overall System Completeness

Testing



Testing Procedure

- Test cases
- User acceptance testing

Technical Exposure



- PHP
- MySQL
- Form Validation
 - Javascript
- Page refreshing
 - ajax
- Version control
 - Git
- Interface Design
 - HTML/ CSS/Bootstrap

Thank You



Q & A