THE WORLD'S GREATEST BRIDGES WEBSITE PROJECT

|  |  |
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| Date | 10/01/2023 |
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Index

[**1.**](#_30j0zll) **Problem Definition**

[1.1.](#_1fob9te)  PROBLEM ABSTRATION

[1.2.](#_3znysh7)  THE CURENT STYTEM

[1.3.](#_2et92p0)  THE PROPOSED SYTEM

[1.3.1.](#_tyjcwt)  BOUNDARIES Ò THE SYSTEM

[1.3.2.](#_3dy6vkm)  HẢDWARE AND SOFTWARE REQUIREMENTS

[**2.**](#_1t3h5sf) **CUSTOMER REQUIREMENTS SPECIFICATION**

[2.1.](#_4d34og8)  USERS OF THE SYSTEM

[2.2.](#_2s8eyo1)  STYSTEM FUNCITONS

[**3.**](#_17dp8vu) **SYSTEM DESIGNS**

[3.1.](#_3rdcrjn)  ENTITY RELATIONSHIP DIAGRAM

[3.2.](#_26in1rg)  DATABASE DESIGN

[3.3.](#_lnxbz9)  SITEMAP

[3.4.](#_35nkun2)  SYSTEM FUCNTIONS DESIGN

[**4.**](#_1ksv4uv) **TASH SHEET**

[**5.**](#_44sinio)  **VALIDATION CHECKLIST**

1.**Problem Definition**

## 1.1.Problem Abstraction

<Giới thiệu chung về dự án. Nêu Xuất xứ của dự án, lý do cần thiết xây dựng dự án>

* These amazing bridges are the first site-building project undertaken by the members of the C2206L 3-class team. This is the overall tentative project , implementing the knowledge that has been studied by the team members . Derived from the idea of ​​creating a website to help people learn, or look up the majestic bridges in the world. Our team decided to embark on this project.

## 1.2.The Current System

<Mô tả cách thức hoạt động của hệ thống hiện tại (nếu có). Nếu chưa có hệ thống hiện tại thì mô tả quy trình làm việc hiện tại khi chưa có ứng dụng CNTT>

* THE AMAZING BRIDGES is a Professional informative Platform. which provides you the information regarding the famous bridges around the world We're dedicated to providing you the best of information, with a focus on dependability. We're working to turn our passion for information into a booming online website. We hope you enjoy our information as much as we enjoy offering them to you. We will keep posting more important information on our Website for all of you.

## 1.3.The Proposed System

<Mô tả về hệ thống mà chúng ta sẽ xây dựng. Nêu rõ các chức năng cần có của hệ thống mới>

* Menu: Includes Home page, bridge, sitemap, query, gallery, about us, contract us for flexible and continuous use between sites
* Bridge Description: Includes Image, Name, City, Country, Continent, History, Information such as length, magnitude, age, individual design of each bridge.
* Feedback: including name, phone, email, user's opinion about our information
* User: Including the first and last name, email, phone number, password of the person who is entering can modify the information.
* Footer

|  |  |
| --- | --- |
| Quick Link | Home  Briges  Gallery  About Us |
| Follow us | Facebook  Twiter  Instagram  Link |
| Support | Help  Get Support  Give Support |

## 1.3.1Boundaries of the System

<Nêu rõ những giới hạn của hệ thống: khách hàng, đối tượng sử dụng. Phạm vi áp dụng, ...>

* + -We can provide web users with a relative amount of information about the world's bridges.
  + -The scope of use of the site is small, there are still many bridges that cannot be added to the site.
  + -There are still errors not found, need user suggestions.

## 1.3.2 Hardware and Software Requirements

<yêu cầu về phần cứng và phần mềm>

+Hardware:

* A browser which supports HTML,Javascript ,PHP

## + Software Requirements

* Windows : We have chosen Windows operating system for its best support and user-friendliness.
* Database :To save the flight records, passengers records we have chosen SQL+ database.
* Visual studio

# 2.Customer Requirements Specification

## 2.1 .Users of the System

* User :
  + First and last name
  + Email
  + Phone number
  + Password

## 2.2.System functions

<Phân tích yêu cầu cho từng chức năng đã xác định ở phần 1.3. Mỗi chức năng cần theo cấu trúc như đã hướng dẫn: thông tin đầu vào, thông tin đầu ra, cách thức xử lý, dữ liệu cần lưu trữ>

1. [**HOME**](https://www.amazingbridges.ml/index.html)

**Header**

* Banner
* Menu

**Body**

* LONGEST BRIDGES
* HIGHEST BRIDGES
* OLDEST BRIDGES
* FAMOUS BRIDGES
* SOME COUNTRIES FAMOUS FOR THEIR BRIDGES
* MOST VISITED BRIDGES
* ABOUT US
* GALLYERY
* OUR LOCATION

**Footer**

1. [**GALLERY**](https://www.amazingbridges.ml/The%20Gallery.html)

**Header**

* Menu

**Body**

* PICTURES OF BRIDGE
  + HISTORY
  + CONSTRUCTION
  + DESIGN

**Footer**

1. [**BRIDGES**](javascript:void(0))

**Header**

* Menu

**Body**

* [TOP 10 BRIDGES](https://www.amazingbridges.ml/Top%2010.html)
  + [1. THE GOLDEN GATE BRIDGE](https://www.amazingbridges.ml/The%20Golden%20Gate%20Bridge.html)
  + [2. AKASHI KAIKYO BRIDGE](https://www.amazingbridges.ml/Akashi%20Kaikyo%20Bridge.html)
  + [3. SUNSHINE SKYWAY BRIDGE](https://www.amazingbridges.ml/Sunshine%20Skyway%20Bridge.html)
  + [4. TOWER BRIDGE:](https://www.amazingbridges.ml/Tower%20Bridge.html)
  + [5. FIRTH OF FORTH BRIDGE](https://www.amazingbridges.ml/FIRTH%20OF%20FORTH%20BRIDGE.html)
  + [6. BROOKLYN BRIDGE](https://www.amazingbridges.ml/The%20Brooklyn%20Bridge.html)
  + [7. CHESAPEAKE BAY BRIDGE](https://www.amazingbridges.ml/CHESAPEAKE%20BAY%20BRIDGE%20TUNNEL.html)
  + [8. SYDNEY HARBOR BRIDGE](https://www.amazingbridges.ml/Sydney%20Harbour%20Bridge.html)
  + [9. LEONARD P. ZAKIM BRIDGE](https://www.amazingbridges.ml/LEONARD%20P.%20ZAKIM%20BUNKER%20HILL%20BRIDGE.html)
  + [10. LONDON BRIDGE](https://www.amazingbridges.ml/LONDON%20BRIDGE%20(LAKE%20HAVASU%20CITY).html)
* [LONGEST](https://www.amazingbridges.ml/longest.html)
  + [1. DANYANG–KUNSHAN BRIDGE](https://www.amazingbridges.ml/DANYANG%20KUNSHAN%20GRAND%20BRIDGE.html)
  + [2. TIANJIN GRAND BRIDGE](https://www.amazingbridges.ml/TIANJIN%20GRAND%20BRIDGE.html)
  + [3. MANCHAC SWAMP BRIDGE](https://www.amazingbridges.ml/MANCHAC%20SWAMP%20BRIDGE.html)
* [HIGHEST](https://www.amazingbridges.ml/highest.html)
  + [1. DUGE BRIDGE](https://www.amazingbridges.ml/DUGE%20BRIDGE.html)
  + [2. SIDU RIVER BRIDGE](https://www.amazingbridges.ml/SIDU%20RIVER%20BRIDGE.html)
  + [3. PULI BRIDGE](https://www.amazingbridges.ml/PULI%20BRIDGE.html)
* -[OLDEST](https://www.amazingbridges.ml/oldest.html)
  + [BRIDGE NEAR LIMYRA](https://www.amazingbridges.ml/BRIDGE%20NEAR%20LIMYRA.html)
  + [KAPELLBRÜCKE](https://www.amazingbridges.ml/KAPELLBR%C3%9CCKE.html)
  + [FRANKFORD AVENUE BRIDGE](https://www.amazingbridges.ml/FRANKFORD%20AVENUE%20BRIDGE.html)

**Footer**

1. [**SITE MAP**](https://www.amazingbridges.ml/SiteMap.html)

**Header**

* Menu

**Body**

* **Index**

##### [HOME](https://www.amazingbridges.ml/index.html)

##### [GALLERY](https://www.amazingbridges.ml/The%20Gallery.html)

##### [BRIDGES](javascript:void(0))

* + [**TOP 10 BRIDGES**](https://www.amazingbridges.ml/Top%2010.html)
    - [**1. THE GOLDEN GATE BRIDGE**](https://www.amazingbridges.ml/The%20Golden%20Gate%20Bridge.html)
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    - [**7. CHESAPEAKE BAY BRIDGE**](https://www.amazingbridges.ml/CHESAPEAKE%20BAY%20BRIDGE%20TUNNEL.html)
    - [**8. SYDNEY HARBOR BRIDGE**](https://www.amazingbridges.ml/Sydney%20Harbour%20Bridge.html)
    - [**9. LEONARD P. ZAKIM BRIDGE**](https://www.amazingbridges.ml/LEONARD%20P.%20ZAKIM%20BUNKER%20HILL%20BRIDGE.html)
    - [**10. LONDON BRIDGE**](https://www.amazingbridges.ml/LONDON%20BRIDGE%20(LAKE%20HAVASU%20CITY).html)
  + [**LONGEST**](https://www.amazingbridges.ml/longest.html)
    - [**1. DANYANG–KUNSHAN BRIDGE**](https://www.amazingbridges.ml/DANYANG%20KUNSHAN%20GRAND%20BRIDGE.html)
    - [**2. TIANJIN GRAND BRIDGE**](https://www.amazingbridges.ml/TIANJIN%20GRAND%20BRIDGE.html)
    - [**3. MANCHAC SWAMP BRIDGE**](https://www.amazingbridges.ml/MANCHAC%20SWAMP%20BRIDGE.html)
  + [**HIGHEST**](https://www.amazingbridges.ml/highest.html)
    - [**1. DUGE BRIDGE**](https://www.amazingbridges.ml/DUGE%20BRIDGE.html)
    - [**2. SIDU RIVER BRIDGE**](https://www.amazingbridges.ml/SIDU%20RIVER%20BRIDGE.html)
    - [**3. PULI BRIDGE**](https://www.amazingbridges.ml/PULI%20BRIDGE.html)
  + [**OLDEST**](https://www.amazingbridges.ml/oldest.html)
    - [**1. BRIDGE NEAR LIMYRA**](https://www.amazingbridges.ml/BRIDGE%20NEAR%20LIMYRA.html)
    - [**2. KAPELLBRÜCKE**](https://www.amazingbridges.ml/KAPELLBR%C3%9CCKE.html)
    - [**3. FRANKFORD AVENUE BRIDGE**](https://www.amazingbridges.ml/FRANKFORD%20AVENUE%20BRIDGE.html)

##### [SITE MAP](https://www.amazingbridges.ml/SiteMap.html)

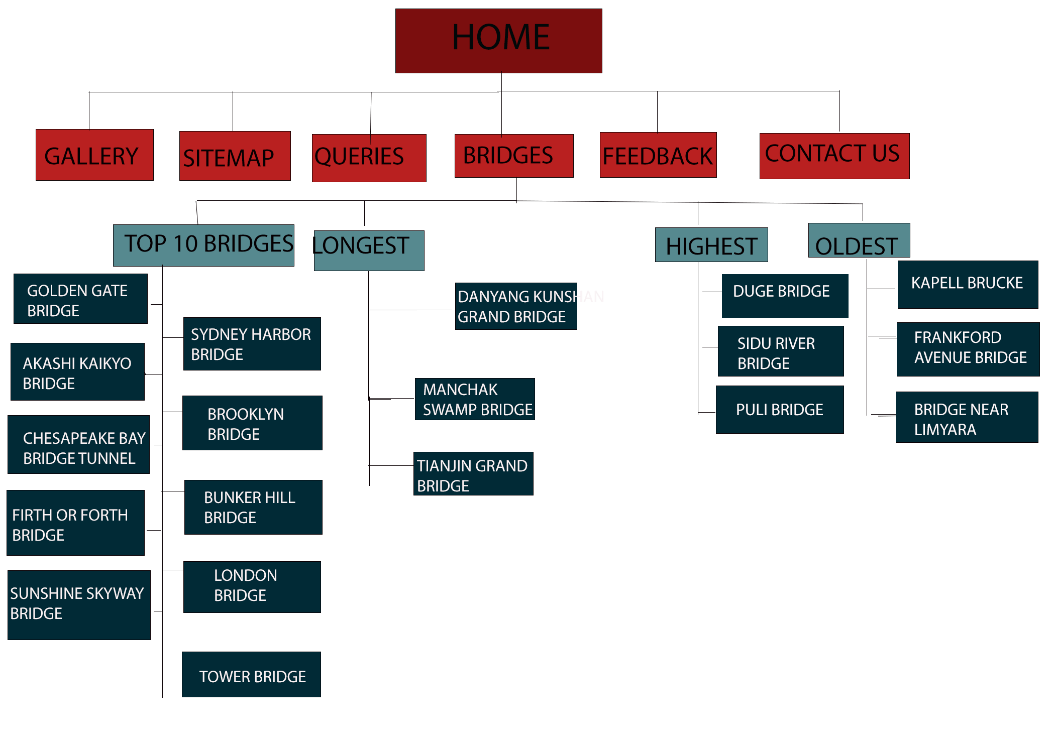
##### [QUERIES](https://www.amazingbridges.ml/Queries.html)

##### [FEEDBACK](https://www.amazingbridges.ml/Feedback.html)

##### [ABOUT US](https://www.amazingbridges.ml/About%20Us.html)

##### [CONTACT US](https://www.amazingbridges.ml/contact.html)

* **Diagram**



**Footer**

1. [**QUERIES**](https://www.amazingbridges.ml/Queries.html)

**Header**

* Menu

**Body**

# question

## **1.Is there any category of oldest bridges?**

## **2.Is this website only for project purpose?**

## **3.Having defficulty in using this website.**

## **4.what is the purpose of this website?**

## **5.Where can I contact?**

## **6.For Feedback.**

* Answer
  + **1.YES**, we have categorised some [oldest bridges](https://www.amazingbridges.ml/oldest.html)in a separate category.
  + 2.yes, This website is only for project purpose although all information in this site is authentic.
  + 3.If you are facing any difficulty, visit [Site Map](https://www.amazingbridges.ml/SiteMap.html),surely it'll help you.
  + 4.For our website,s information, visite [ABOUT US](https://www.amazingbridges.ml/About%20Us.html)
  + 5.For any kind of question or problem, you can contact us through[Facebook](https://www.amazingbridges.ml/contact.html), [twitter](https://www.amazingbridges.ml/contact.html), [Instagram](https://www.amazingbridges.ml/contact.html)
  + 6.You can help us to make this website more great by giving you useful[Feedback](https://www.amazingbridges.ml/Feedback.html)

**Footer**

1. [**ABOUT US**](https://www.amazingbridges.ml/About%20Us.html)

**Header**

* Menu

**Body**

**Footer**

1. [**CONTACT US**](https://www.amazingbridges.ml/contact.html)

**Header**

* Menu

**Body**

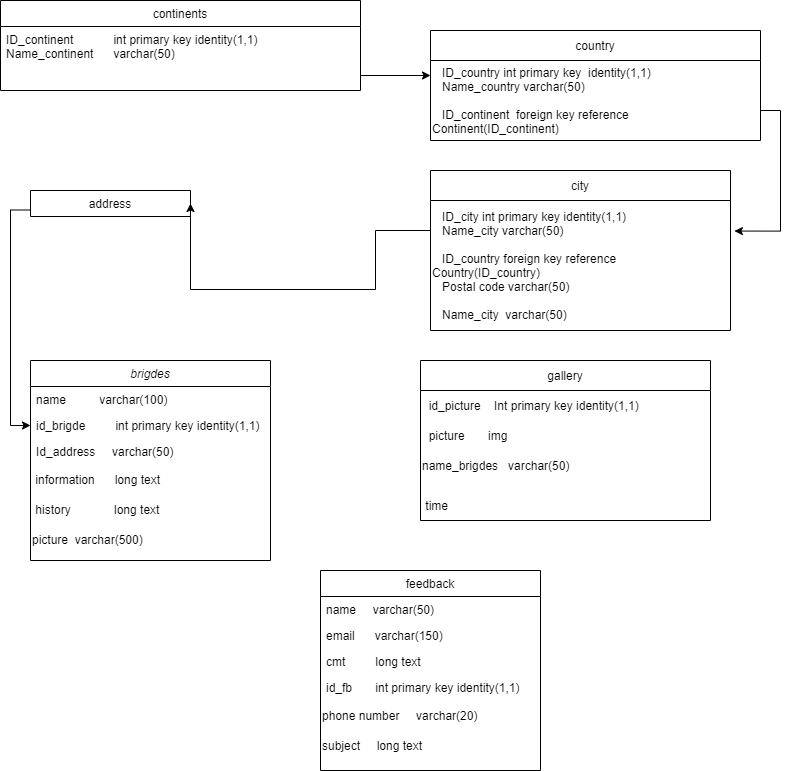
### Sent your request

* + Name
  + Phone
  + Email
  + Subject
  + Message
  + **Footer**

# 3.System Designs

## 3.1Entity Relationship Diagram

<Vẽ mô hình quan hệ thực thể. Nên sử dụng 1 chương trình vẽ chuyên nghiệp ví dụ Visio 2010>



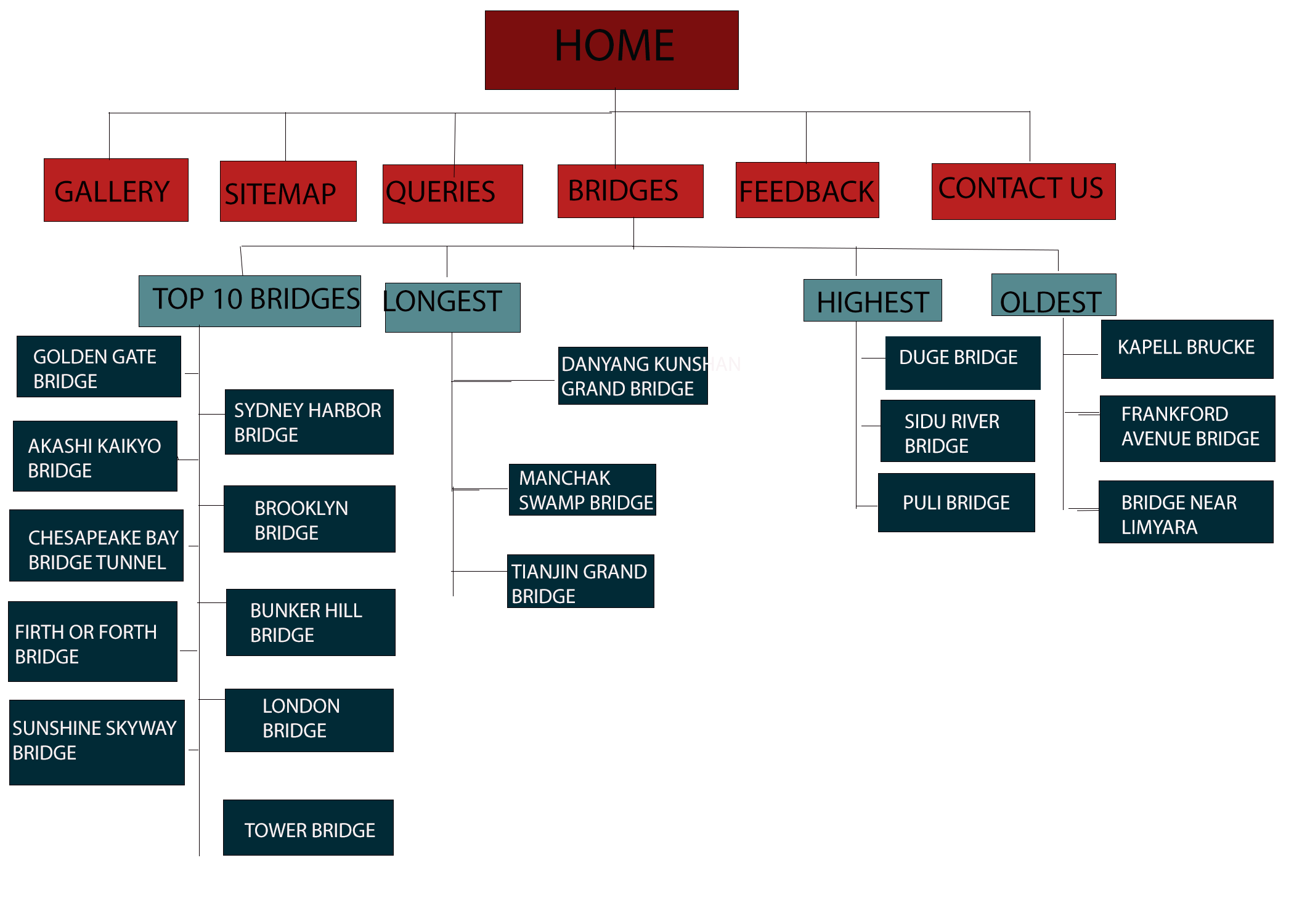
## 3.2Database Design

<Căn cứ dữ liệu đầu tiên, bảng dữ liệu thu thập được ở dạng chưa chuẩn hoá (UNF), nếu sử dụng dữ liệu đã chuẩn hoá sẵn cần nêu rõ lý do và nguồn tham khảo / lấy>

<Sơ đồ quan hệ giữa các bảng ở dạng chuẩn hoá 3NF, nếu phi chuẩn cần nêu rõ lý do>

<Mô tả chi tiết các bảng>

## 3.3.Sitemap

<Thiết kế sơ bộ giao diện tổng quát: trang chủ, liên kết với các trang trong ra sao?>

## 3.4.System fucntions design

<Chi tiết hoá các chức năng của hệ thống ở phần 2.2.

<Mỗi chức năng cần: thiết kế giao diện vào, ra, sơ đồ hoạt động, thuật toán giải quyết (bằng lời và bằng lưu đồ>

# 4.Task sheet

<Liệt kê các công việc cần thực hiện trong đó chỉ rõ sự phân công trách nhiệm và thời gian bắt đầu, hoàn thành. Nên kẻ bảng (tham khảo cuốn Project Guide đã được phát)>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Nguyễn Đức Trọng | Vũ Mình Hiếu | Bùi Xuân Sính | Nguyễn Thế Anh | Nguyễn Tiến Ngọc |
| 14/12-19/12 |  |  |  |  |  |
| 19/12-21/12 |  |  |  |  |  |
| 21/12-  26/12 |  |  |  |  |  |
| 26/12-  28/12 |  |  |  |  |  |
| 28/12-  4/1 |  |  |  |  |  |

# 5.Validation Checklists

<Tham khảo Project Guide>