

Group C: Benchmark Four

Page 2: Requirements & Overview

Page 3: Class Diagram

Page : GUI Mock-ups

Page 7: Activity Diagram (Admin)

Page 8: Activity Diagram (User)

Page 9: PERT Chart

Page 10: Use Case Diagram

Page 11: Deployment Plan

Page 13: User Manual

Requirements

Must Have:

- We will include a separate non-hardcoded backend for administrators to easily edit, delete and add pages
- The website will run on all mobile devices
- We will record data from timestamps and the types of play parents click on the app
- The app will have a way for parents to keep track of which activities their kid gravitates toward along with additional information on the kind of play their kid is engaging in with other educational resources

Could Have:

- Other language options

Overview:

Database:

The database should store anything that isn't hard coded into the website which includes but probably isn't limited to:

- Exhibits
- Feedback obtained
- Admin info (username/password) *with the proper security considerations
- Alternative versions for different languages

The Admin Page:

This will be the page that the admins use to manage the website, from here the admin should be able to do the following:

- Manage all the content freely: add, edit and delete existing content
- View and export data

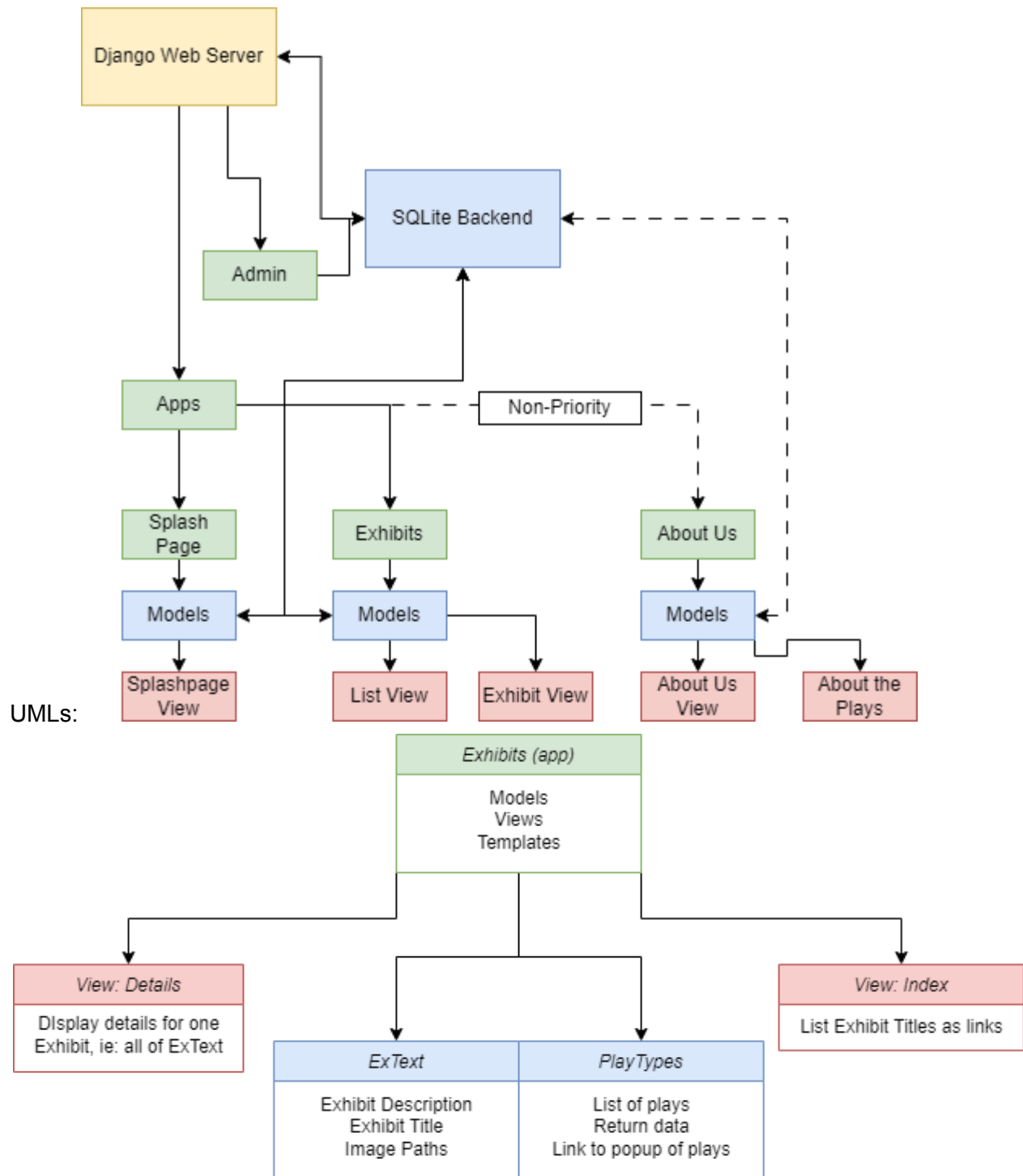
Home Page:

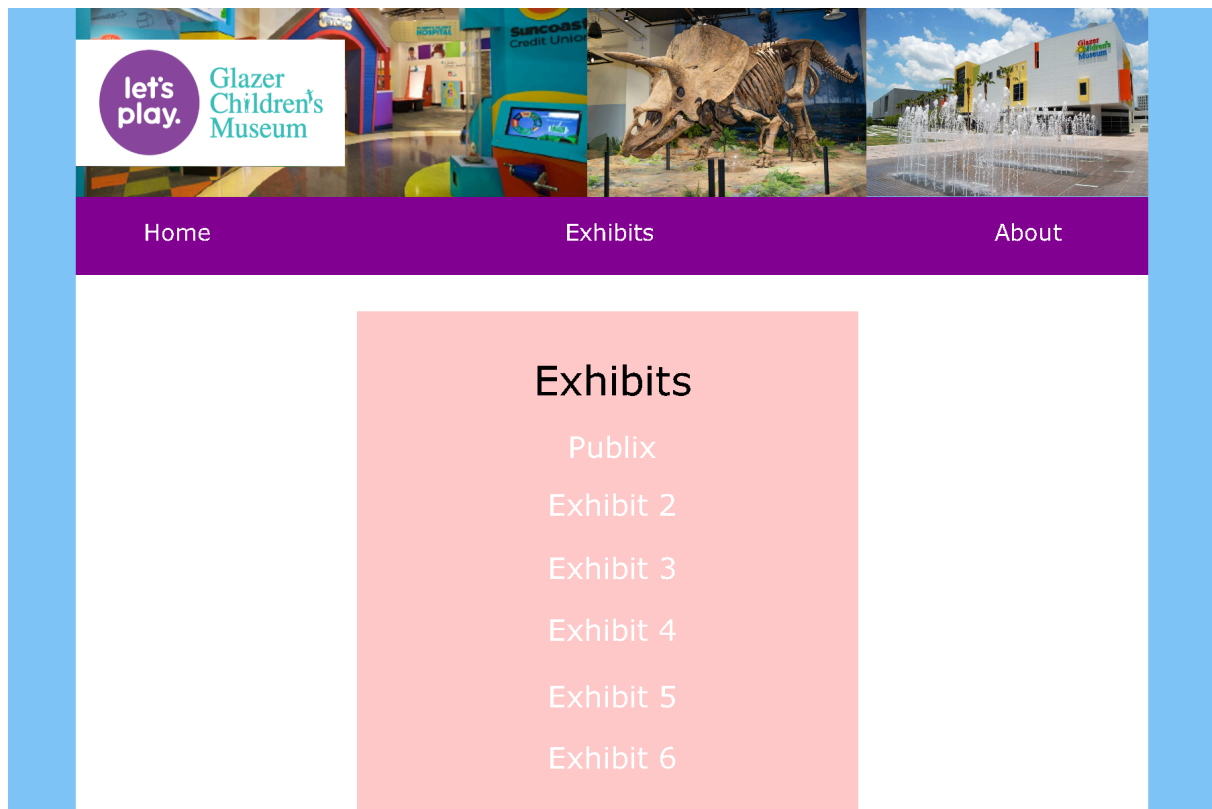
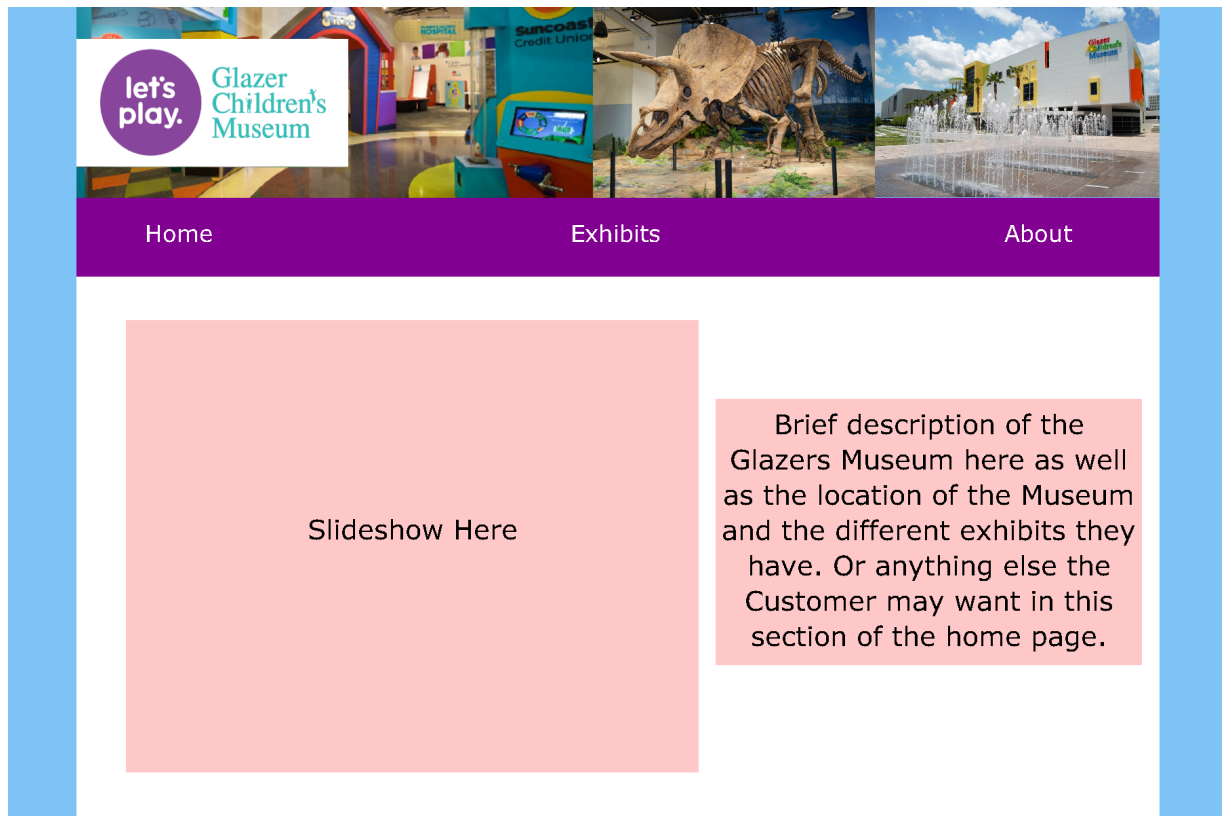
The opening page of the website will:

- Contain overview of app and why parents should look into play
- Get the parents interested in learning about play

Exhibits:

- Designed as a template so the admin can easily update the exhibits
- We will add in auto features to make it as easy as possible for the admin users
- As users input the activities their children are engaging in, they will be directed to another page to learn about the types of play with other educational resources and ideas for parents





About

Images of the higher
staff team at the
museum...maybe



let's play. Glazer Children's Museum

Description...

Question...

Submit

Note: Put Description above the questions due to phone compatibility

[< Back](#)

Image of Exhibit

let's play. Glazer Children's Museum

Title of Exhibit

Description...

Question... ☐

Question... ☐

Question... ☐

Note: Like this but more questions when scrolling down, as well as the submit button.

[< Back](#)

Image of Exhibit

let's play. Glazer Children's Museum

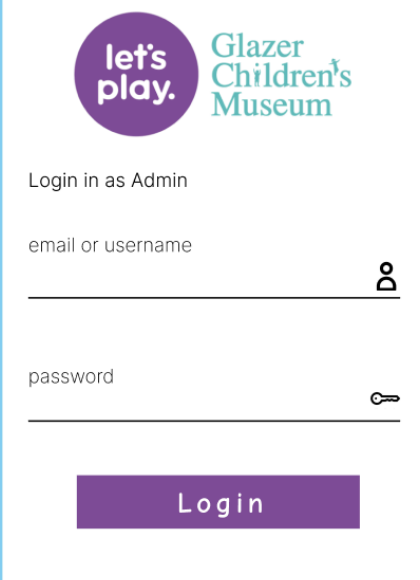
Title of Exhibit

Description in detail and types of play in this exhibit.

What You Answered:

Question... Question... Question...

Frame 1



The login form is centered on a light blue background. It features the Glazer Children's Museum logo at the top, which consists of a purple circle with the text "let's play." and the words "Glazer Children's Museum" to its right. Below the logo, the text "Login in as Admin" is displayed. There are two input fields: the first is labeled "email or username" and has a "Go" button to its right; the second is labeled "password" and has a key icon to its right. A purple "Login" button is positioned at the bottom of the form.

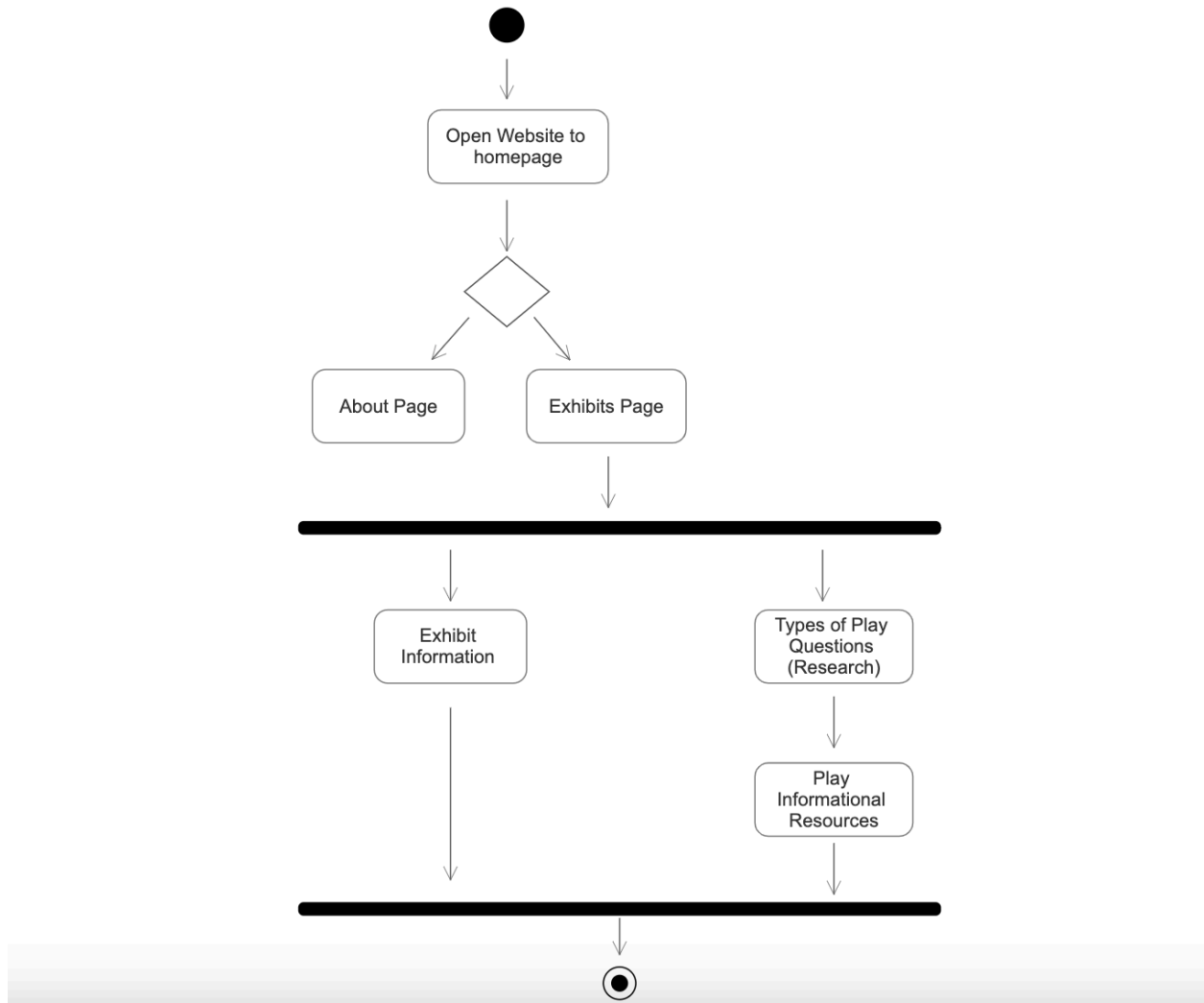
let's play. Glazer Children's Museum

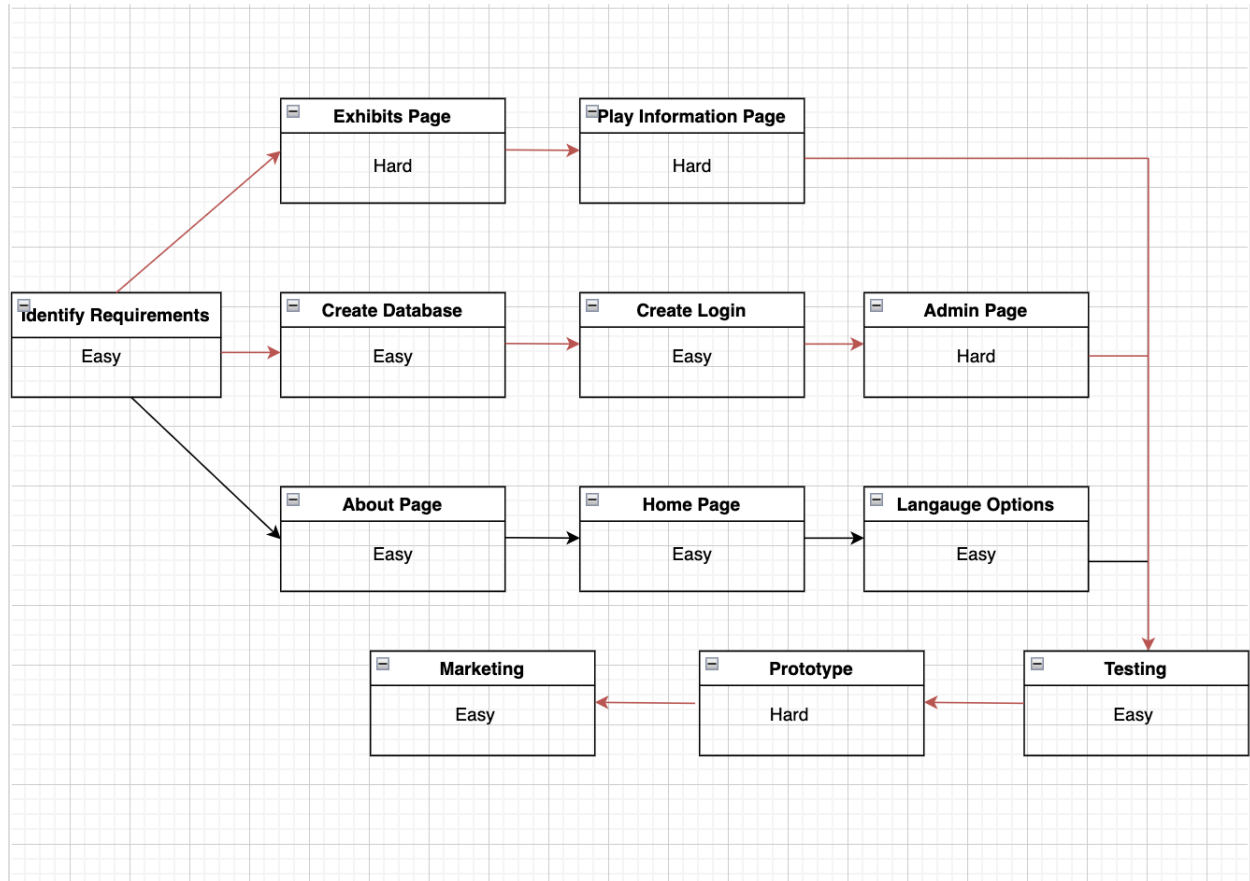
Login in as Admin

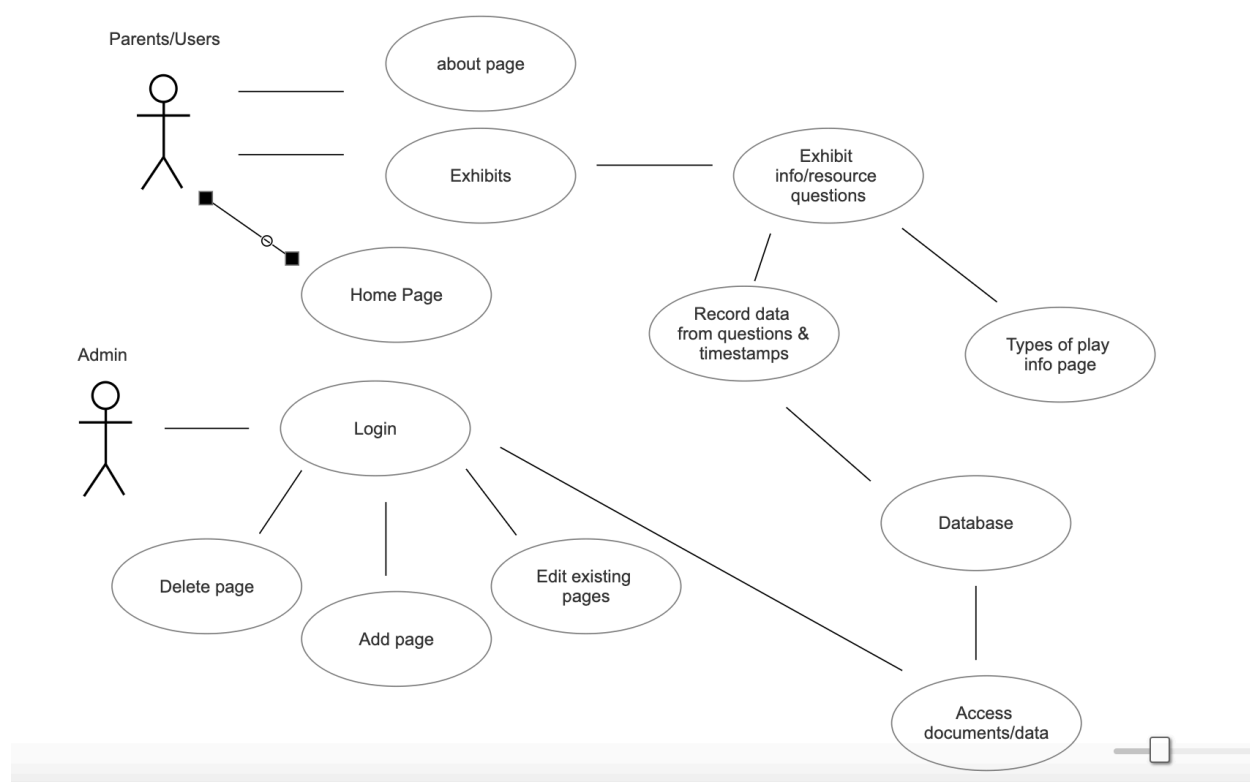
email or username Go

password 🔑

Login







Deployment Plan

This application is designed to provide educational resources about the benefits of play to parents. It holds a moderate scope as there will be three primary groups of users. Museum administrators will be updating the website regularly with different variations of the exhibits in addition to utilizing the educational resources as a tool to promote the museum. Moreover, the University of Tampa research team will be using data from the app for their studies. Finally, museum customers will be learning about the benefits of play along with other resources on how to incorporate play into different aspects of their child's life.

Goals

Our application will display a home page including information about why parents should care about play types for their children, exhibit pages that provide a description of the activities the children may be participating in as well as a survey where parents can select which activities their child is participating in and a personalized page with the play types their child is engaging in. The data from the survey will be recorded and kept for research purposes. The app will also provide another page with additional play information and resources for parents.

Assignments

Each team member has been assigned to specific features as well as the initial testing for their features. The front end team is Carlos and Matt, they have created the user interface for the website. They have developed the slideshows to display the different photos of the museum, a user friendly navigation system for both admin and general users. Saul has created the login for admin users and has maintained a secure website for the museum use. Kevin is responsible for the database and its connection to the website and has served as the technical team manager and he facilitated the integration of the project. Eliana provided all documentation for the project.

User-Developer Communications

There will be a link for all users to report an issue to developers. The link will lead to a form where they can describe the problem and the response will go straight to the backend so the development/maintenance team can address the issue.

Deployment task dependencies

Deployment can be done all at once as there are no major task dependencies. If the project switches servers, a module may need to be added and depending on the new server some code may need to be updated to fit the server as needed.

Bug tracking

All bugs are reported through a google form and sent to a spreadsheet where all descriptions, time the bug was found and any relevant additional information is kept. As the bugs are fixed, the time and person who fixed the bug enter their information next to the bug. This way a completed bug has a description of the bug, where and when it was found and by who, then next to it is a description of how it was fixed, when and by who.

Training

System administrators will need basic training to ensure they know how to login, make edits to the website and pull data. We will perform a demo for these users so they can see how to perform all these tasks and have the opportunity to ask any questions. They will also receive a manual for any future users which will serve as a reference document for all administrators. The general users of the website will not receive any formal training, the front page will include a description of the information found on the website as well as tabs describing what can be found on each page for easy navigation.

Accountability

Post deployment changes will be maintained by a separate team. They will have access to the full website and bug tracking document. The code has descriptions of what each piece of code does and they will see the website bug history as well as our solutions in the document.

Kevin: kevin.panasiuk@spartans.ut.edu

- Database & integration

Matt: matthew.dauria@spartans.ut.edu & Carlos: carlos.mejia@spartans.ut.edu

- Front end for website and admin page

Saul: saul.pera@spartans.ut.edu

- Security features & login

Eliana: eliana.maheo@gmail.com

- Documentation

Business Continuity Plan/Data Recovery Plan

The website will backup the data on a set time interval and can be accessed if there is an error.

User Manual

To access the admin page:

Scroll to the bottom of the home page and click "Admin"

Edit/Delete/Add Exhibit Pages:

Under "exhibitpage" all data collected, play collected and voting options can be changed. Data for the exhibits will also be accessed here.

Adding/Editing Users:

Under login attempts you can view all login attempts along with filters if searching for a specific instance. The admin can create and change the users who have access to this page under authentication and authorization.

Report:

Any bug reports made on the mainpage can be accessed under bug report.

All recent actions can be viewed at the bottom of the page.