

# Iteration 5

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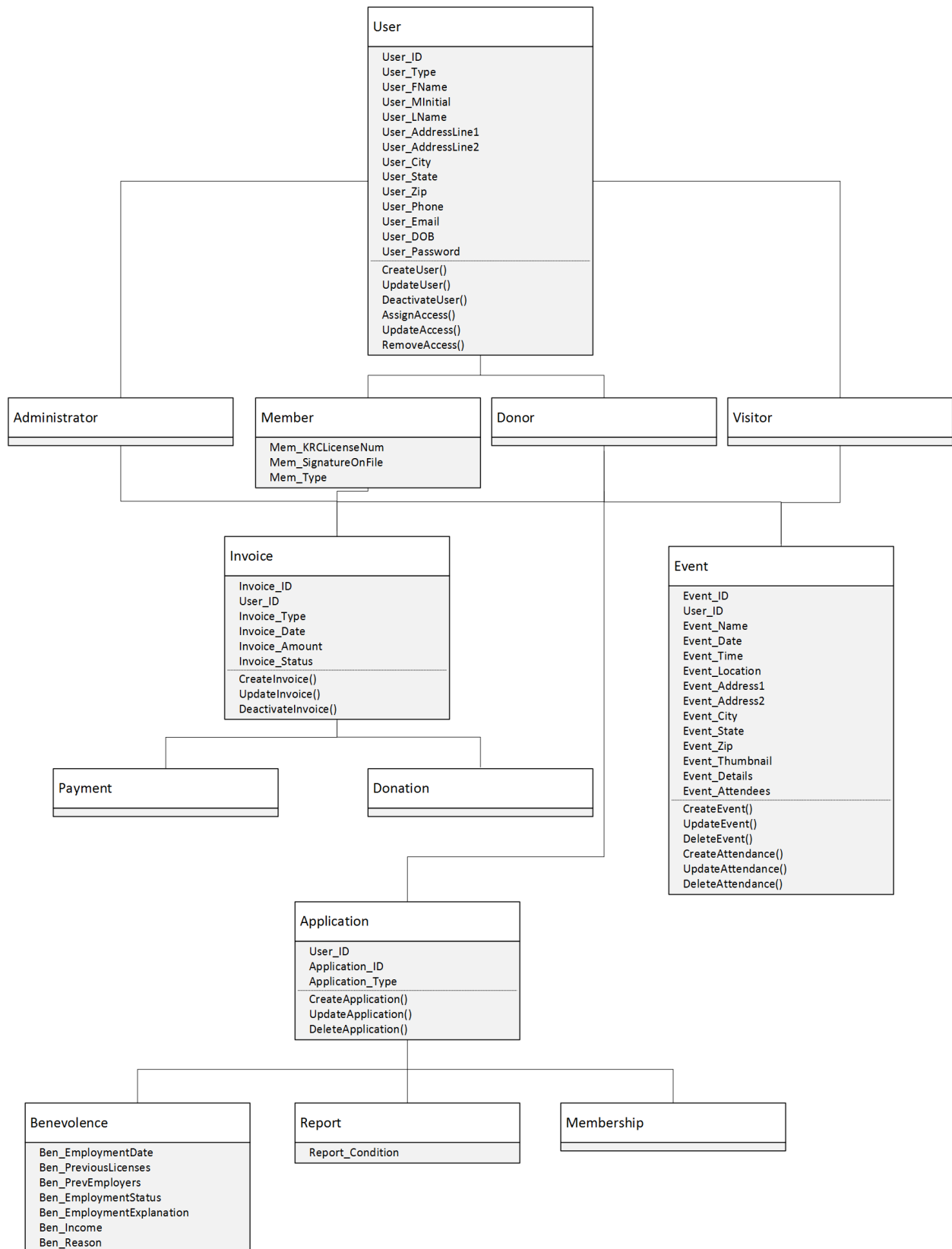
DERBY CITY DEVELOPMENT

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# Class Diagram

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A class diagram represents the classes and the relationships among classes within a system. Each class is a general template used to create instances of an object in the system. In this system, each member, administrator, donor, and visitor shares the characteristics of a general user. Each visitor, donor, and member can interact with events, and each member and donor can generate an invoice which records a payment or donation. A member, donor, or visitor can generate an application that is a benevolence request, report request, or membership application. These relationships are depicted on the class diagram.





# Data Dictionary

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The data dictionary provides descriptions for the attributes of each table such as the size, whether it is a primary or foreign key, and any other relevant notes.

User Table					
P/F	Field Name	Description	Data Type	Field Size	Notes
P	User_ID	Identification number	INT		
	User_FName	First name	CHAR	70	
	User_LName	Last Name	CHAR	70	
	User_Address1	Address line 1	CHAR	70	
	User_Address2	Address line 2	CHAR	70	
	User_City	City	CHAR	50	
	User_State	State	CHAR	2	
	User_Zip	Zip code	INT	10	
	User_Phone	11 digit phone number	INT	11	
	User_Email	Email	CHAR	50	
	User_DOB	Date of birth in MM/DD/YYYY format	DATE	10	
	User_Password	Password	CHAR[50]	20	
Administrator Table					
P/F	Field Name	Description	Data Type	Field Size	Notes
P	Admin_ID	Administrator identification number	INT	10	
F	User_ID	User identification number	INT	10	
Member Table					
P/F	Field Name	Description	Data Type	Field Size	Notes
P	Mem_ID	Member identification number	INT	10	
F	User_ID	User identification number	INT	10	
Donor Table					
P/F	Field Name	Description	Data Type	Field Size	Notes
P	Donor_ID	Donor identification number	INT	10	
F	User_ID	User identification number	INT	10	
Event Table					
P/F	Field Name	Description	Data Type	Field Size	Notes
P	Event_ID	Event identification number	INT	10	
F	Admin_ID	Administrator identification number	INT	10	
	Event_Name	Event name	CHAR	500	
	Event_Date	Event date	DATE	10	
	Event_Time	Event time	TIME	6	
	Event_Location	Event location	CHAR	500	
	Event_Address	Event address	CHAR	500	
	Event_City	Event city	CHAR	70	
	Event_State	Event state	CHAR	2	
	Event_Zip	Event zip	INT	10	
	Event_Thumbnail	Thumbnail for event	IMAGE	2 GB max	
	Event_Details	Event details	CLOB	2 GB max	
	Attending_ID	Attending individuals' identification numbers	INT	10	
Attending Table					
P/F	Field Name	Description	Data Type	Field Size	Notes
P	Attending_ID	Attending individuals' identification numbers	INT	10	
F	Event_ID	Event identification number	INT	10	
F	User_ID	User identification number	INT	10	

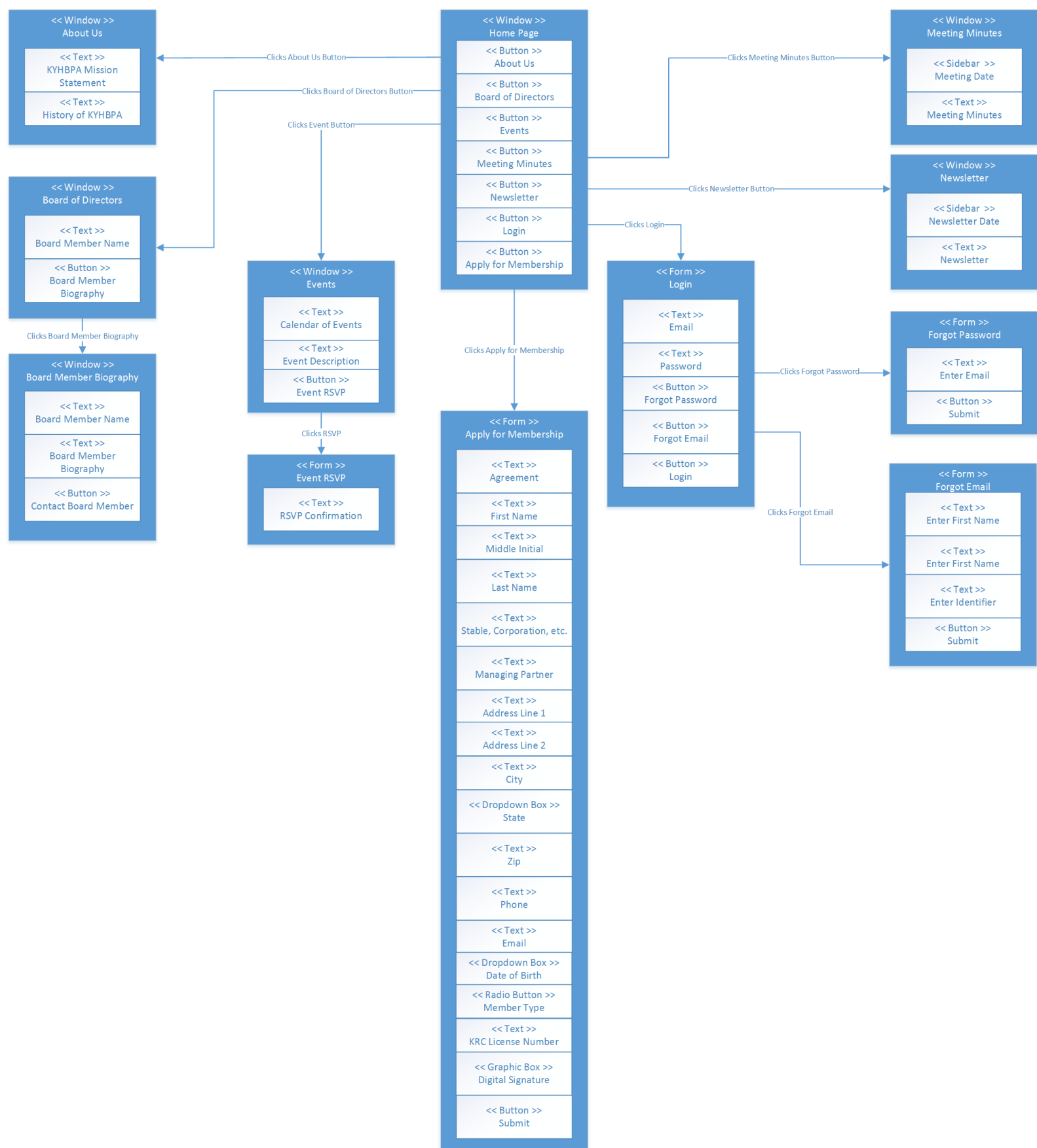
Benevolence Table					
P/F	Field Name	Description	Data Type	Field Size	Notes
P	Benevolence_ID	Benevolence identification number	INT	10	
F	Mem_ID	Member identification number	INT	10	
	Benevolence_PrevLicense	Previous licenses held	CHAR	1000	
	Benevolence_Employers	Previous employers	CHAR	1000	
	Benevolence_Status	Current employment status	CHAR	1000	
	Benevolence_Income	Total income earned in equine industry	DOUBLE	25	
	Benevolence_TotalEmployment	Total time employed in equine industry	DOUBLE	25	
	Benevolence_Assistance	Benevolence assistance requested	CLOB	2 GB max	
Invoice Table					
P/F	Field Name	Description	Data Type	Field Size	Notes
P	Invoice_ID	Invoice identification number	INT	10	
F	Payment_ID	Payment identification number	INT	10	
F	Donation_ID	Donation identification number	INT	10	
F	Mem_ID	Member identification number	INT	10	
F	Donor_ID	Donor identification number	INT	10	
	Invoice_Date	Invoice date	DATE	10	
	Invoice_Amount	Invoice amount	DOUBLE	25	
	Invoice_Status	Invoice status (fulfilled, open)	CHAR	10	
Donation Table					
P/F	Field Name	Description	Data Type	Field Size	Notes
P	Donation_ID	Donation identification number	INT	10	
Payment Table					
P/F	Field Name	Description	Data Type	Field Size	Notes
P	Payment_ID	Payment identification number	INT	10	

# Windows Navigation Diagram

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The Windows Navigation Diagram depicts the screens needed to realize the use cases. The diagram depicts different screens and forms the website will generate and how to access them and their features from the main landing page.





# Gantt Chart

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The updated Gantt chart shows the task breakdown and scheduling for iterations 4, 5, and the Elaboration Spec. The Gantt chart identifies the task ID number, name, start date, duration, task responsibility, and dependencies.

[illegible]

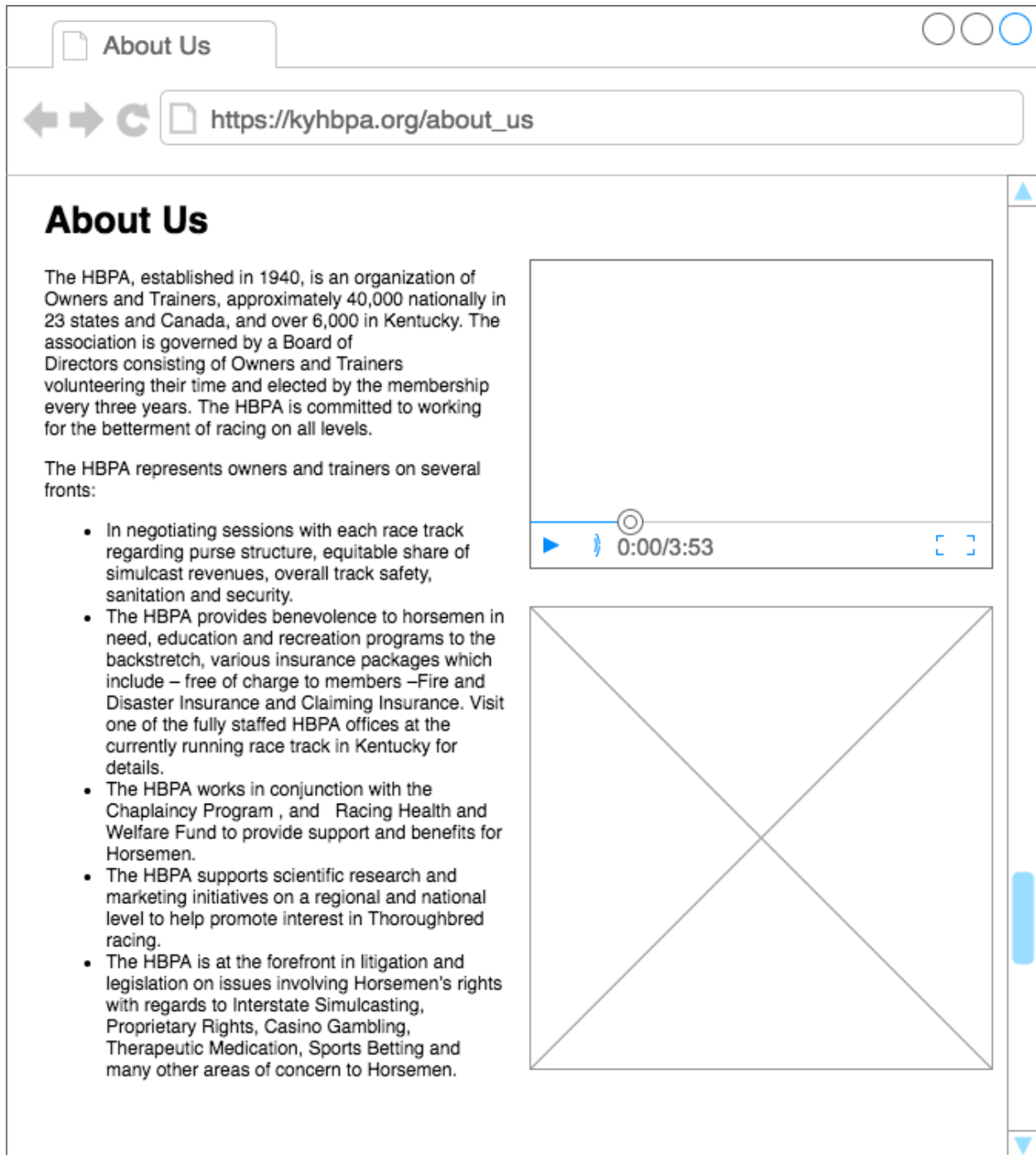
# User Interface Prototypes

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User interface prototypes are high-level prototypes that represent the data needs and process flows of all “to-be” processes, which are depicted by use cases.

## About Us

The “About Us” prototype focuses on capturing the essence of what KYHBPA stands for and their history in an interactive, engaging biography page.



## Benevolence

The benevolence benefit form is a direct transposition of KYHBPA's current paper form and captures all required information to process a benefit request. It aims to capture all required information in an online format that can be filled out and accessed from any platform.

Benevolence

https://kyhbpa.org/benevolence/application/apply

## Apply for Benevolence Benefits

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

First Name

Middle Initial

Last Name

Social Security Number

Address Line 1

Address Line 2

City

State

Select State

Zip

Phone

Date of Birth

Month

Day

Year

List all current Kentucky racing licenses you have been issued.

Type	License Number	Date Issued

List all employers for whom you have worked in the past 90 days.

Employer	Track	Date Started	Date Left

Are you currently employed?

☐ Yes

☐ No

If no, please explain.

List all income you currently earn on and off the racetrack.

Name of Employer	Occupation	Weekly Salary Before Taxes

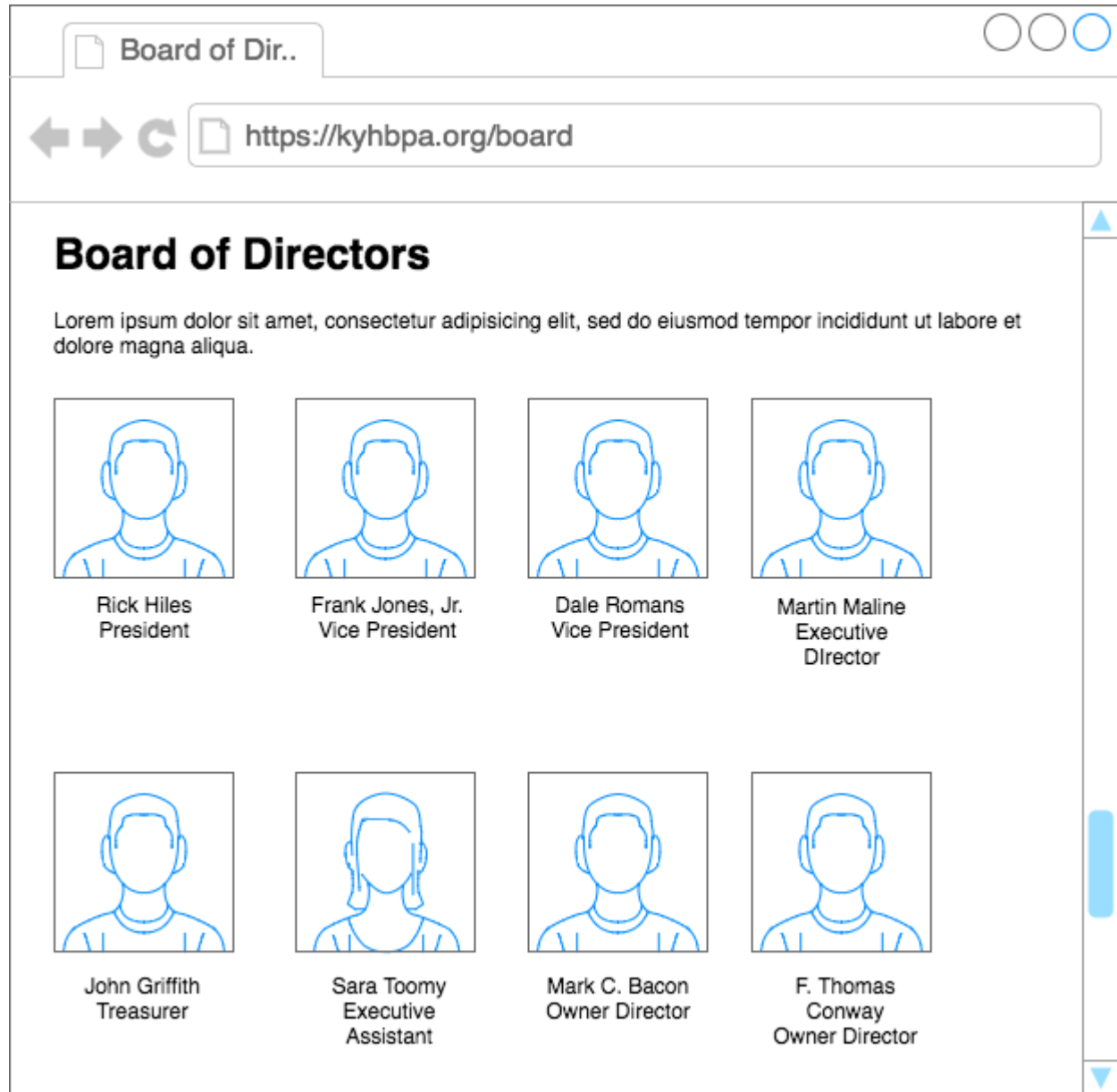
How long have you been employed in the racing industry in Kentucky? (in months)

What sort of assistance are you seeking?

Submit

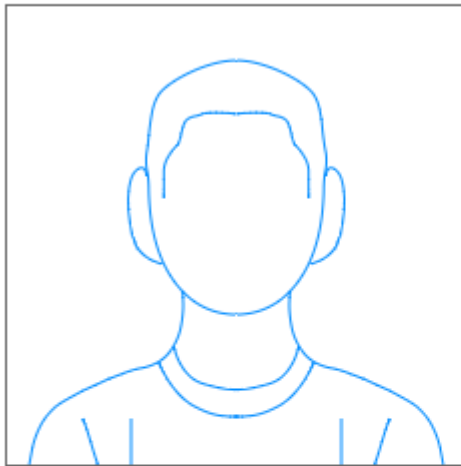
## Board of Directors

The Board of Directors prototype aims to display the headshots of the Board of Directors in a sleek manner. Users wishing to learn more about a board member can click on a specific headshot to bring up a popup window with a board member biography.

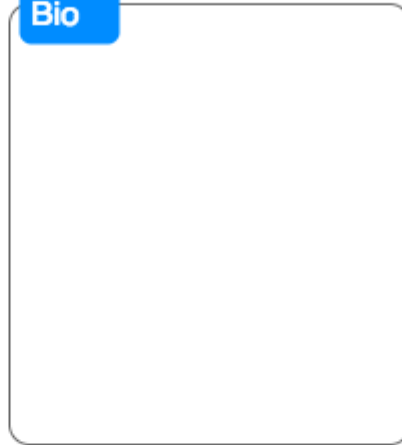




Director Name



Bio



## Contact Information

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Close

## Calendar

The calendar prototype allows a user to select a date and, if there is one scheduled, view the event details for that day. It also allows users to RSVP to an event they are interested in.

Events

← → ↺

https://kyhbpa.org/events

< March 2017 >

Mo Tu We Th Fr Sa Su

		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

Find event

Event X

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

RSVP

Confirmation

You have RSVP'd! Look for a confirmation email with additional details.

OK

## Claims

The claims form is, again, a direct transposition of the paper form KYHBPA currently uses. It aims to capture all required information in an online format that can be filled out and accessed from any platform.

Claims

← → ↺

https://kyhbpa.org/claims/submit

# Kentucky Horse Racing Commission - Claim Bank

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Track

Date

Month

▼

Day

▼

Year

▼

Owner(s) making claim

Horse

Owner(s) making claim

Race #

Sum

Signature of Owner or Authorized Agent

Submit

## Contact Us

The contact us prototype demonstrates that a user can directly email KYHBPA through the embedded form on the site.

Browser window showing the contact form:

Tab: Contact

Address bar: <https://kyhbpa.org/contact>

### Contact KYHBPA

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Name

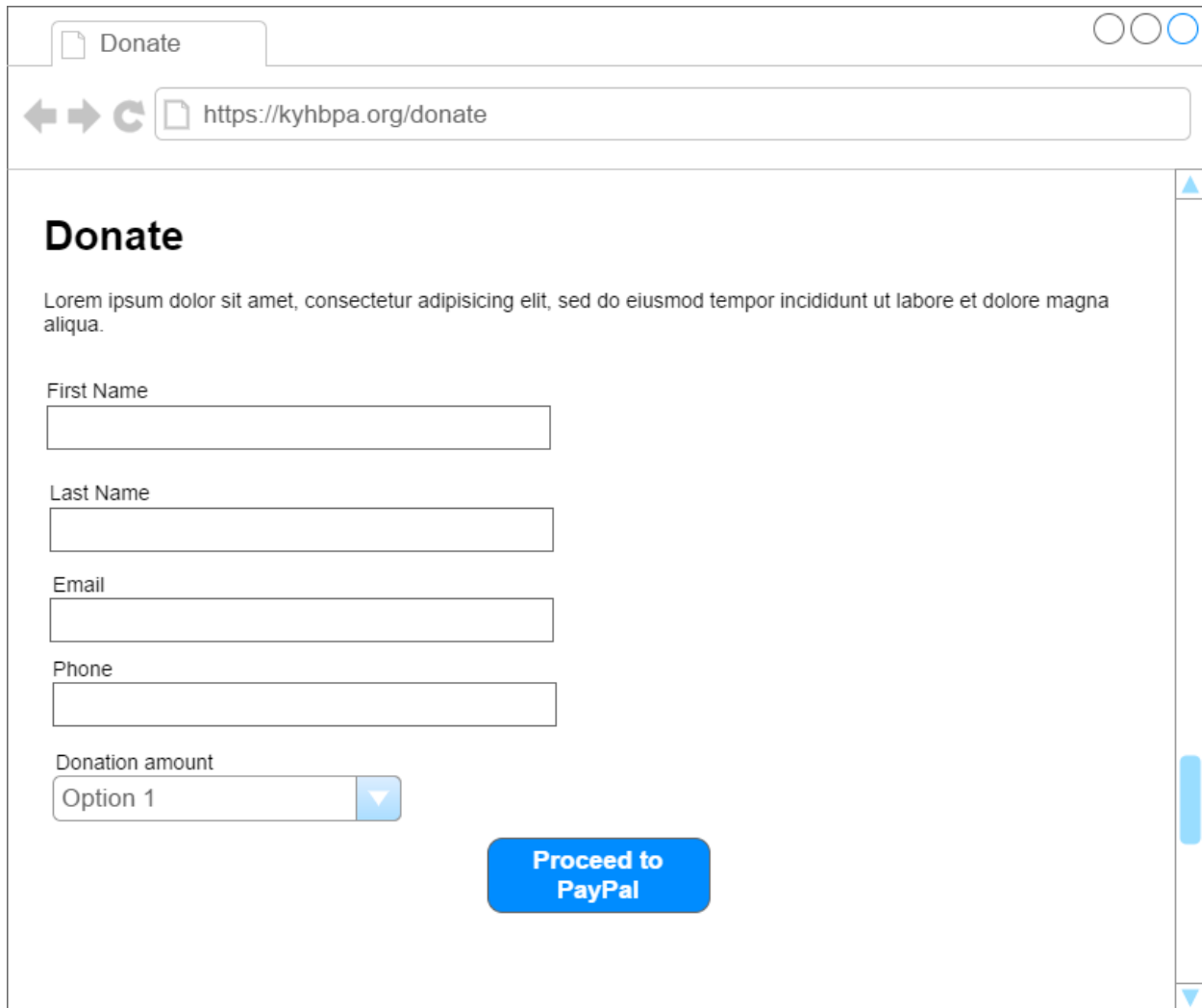
Email

Subject

Text area:  
Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

## Donate

The donation prototype focuses on capturing necessary donor information before redirecting the donor to PayPal and pulling billing information directly from PayPal's output.



The image shows a web browser window with a single tab titled "Donate". The address bar displays the URL "https://kyhbpa.org/donate". The page content includes a heading "Donate", a paragraph of placeholder text, and a form with five input fields: "First Name", "Last Name", "Email", "Phone", and "Donation amount". The "Donation amount" field is a dropdown menu currently showing "Option 1". A blue button labeled "Proceed to PayPal" is positioned below the form fields. The browser window has standard OS controls (minimize, maximize, close) in the top right corner and a scrollbar on the right side.

Donate

https://kyhbpa.org/donate

## Donate

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

First Name

Last Name

Email

Phone

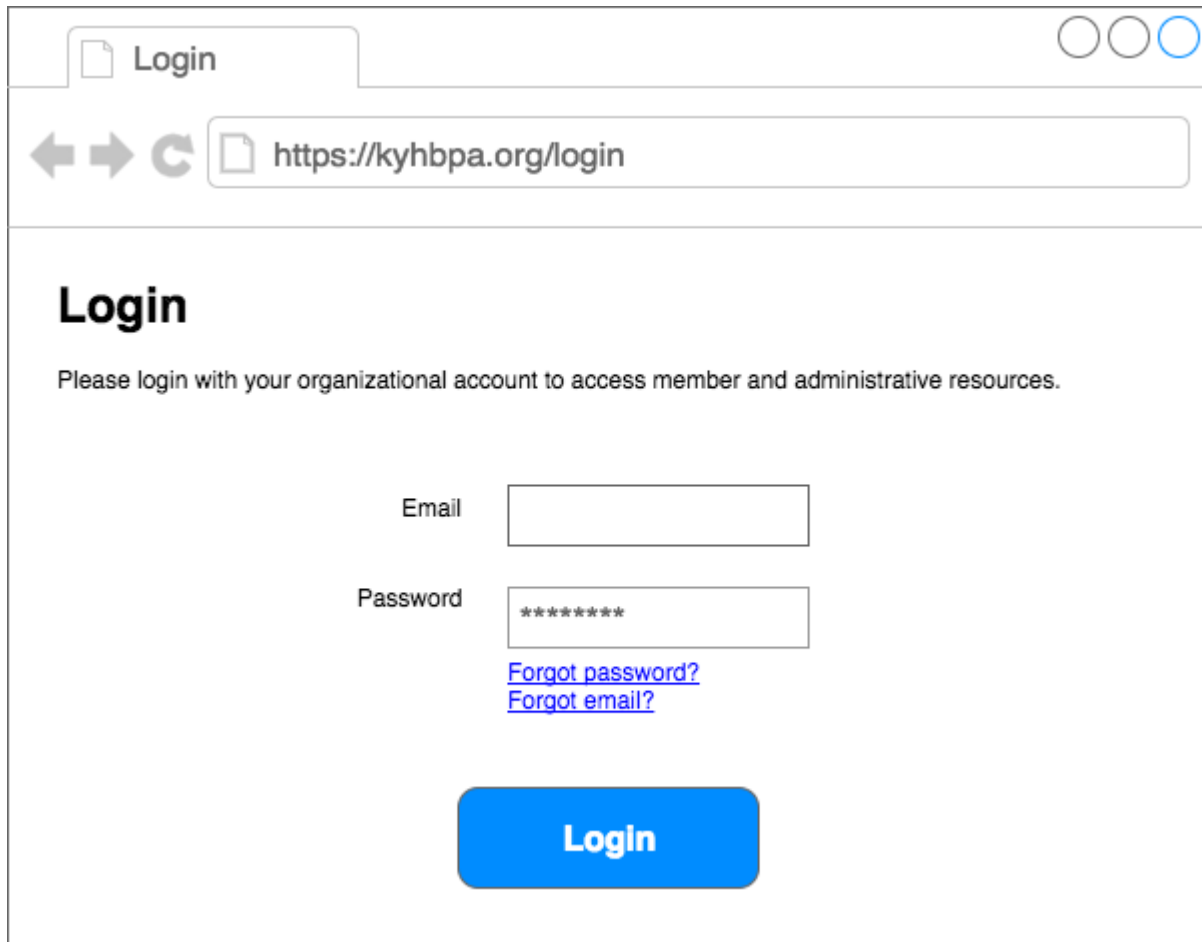
Donation amount

Option 1

**Proceed to PayPal**

## Login

The login prototype demonstrates the interface administrators and members will use to access their respective portals.



A prototype of a web login page. The browser window has a tab labeled 'Login' and a URL bar showing 'https://kyhbpa.org/login'. The page content includes a 'Login' heading, a descriptive sentence, input fields for 'Email' and 'Password', two blue links for password and email recovery, and a large blue 'Login' button.

**Login**

Please login with your organizational account to access member and administrative resources.

Email

Password

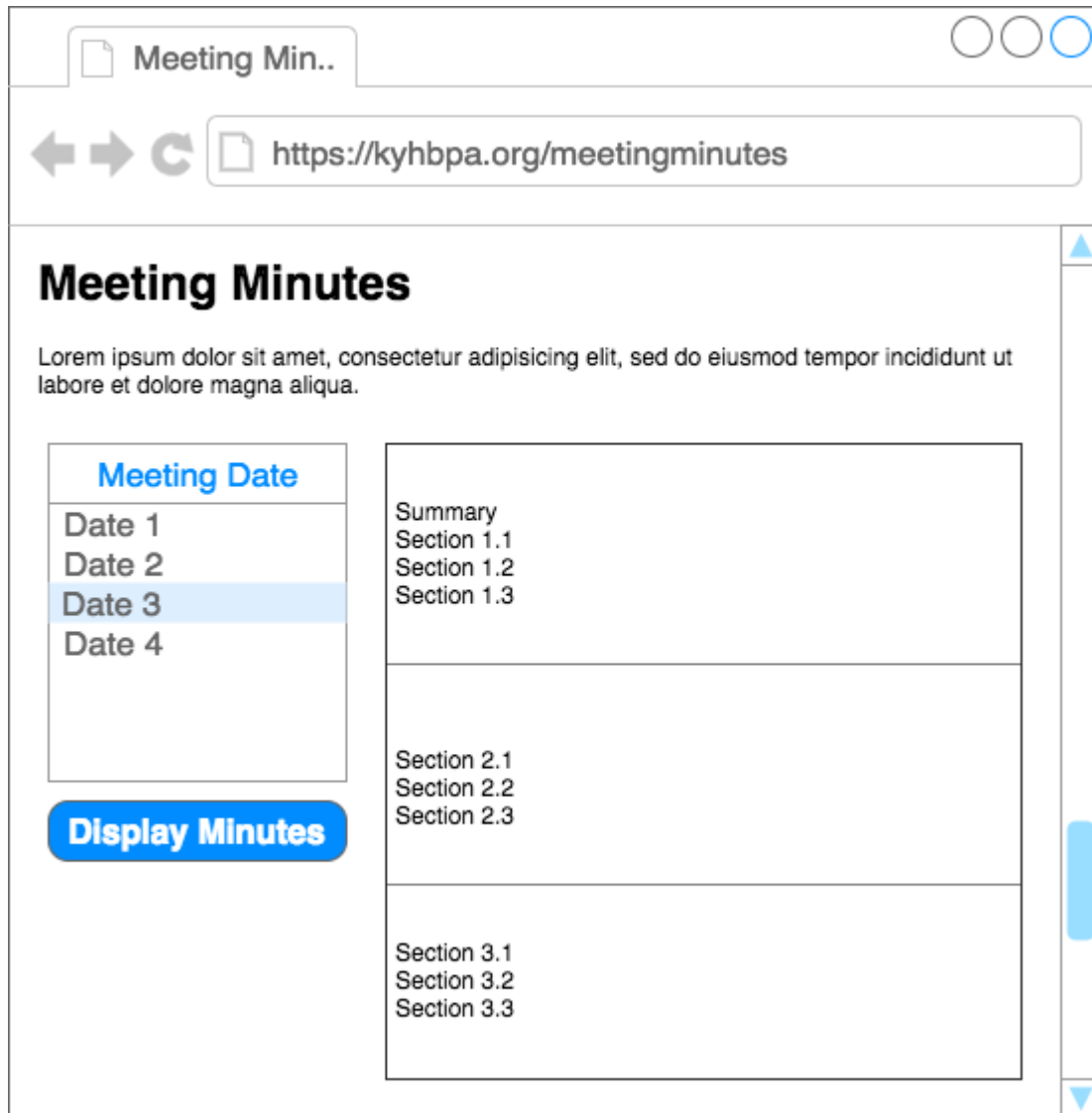
[Forgot password?](#)

[Forgot email?](#)

**Login**

## Meeting Minutes

The Meeting Minutes prototype demonstrates the view encountered when trying to access meeting minutes from a specific date. It enables the user to select the date from a side panel, click “Display Minutes,” and view the minutes in the same window.



## Membership

The membership prototype focuses on capturing data required from the current, physical membership card. It aims to capture all required information in an online format that can be filled out and accessed from any platform.



Membership

https://kyhbpa.org/membership/apply

## Apply for Membership

I hereby appoint the Kentucky Horsemen's Benevolent and Protective Association, Inc. to act as my sole and executive agent and representative for the purpose of negotiating and executing, or refusing to executing with Thoroughbred race tracks in Kentucky and all contracts and agreements relating to Thoroughbred racing in the state. By this appointment, I hereby revoke any and all previous authorities given by me for similar purposes.

First Name

Middle Initial

Last Name

Stable, Corporation, Syndicate, or Farm (if applicable)

Managing Partner

Address Line 1

Address Line 2

City

State

Select State

Zip

Phone

Email

Date of Birth

Month

Day

Year

Select one:

☐ Owner

☐ Trainer

☒ Owner/Trainer

KRC License #

Signature

Submit

## Newsletter

The newsletter prototype allows the user to select the issue he or she wishes to view and displays the e-reader version on the screen. The display function is linked directly to the National HBPA's newsletter display feature.

Newsletter

https://kyhbpa.org/newsletter

### Newsletter

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Select Issue ▼

View

The main content area features a large rectangular placeholder with a 3D effect, suggesting a flipbook or e-reader interface for displaying the newsletter content.

## Request Report

The request report prototype captures how members can request reports from KYHBPA by checking off the conditions that meet their needs. Since there are over 500 possible reports, being as thorough as possible in the descriptive process eases the selection process the administrator must complete.

Request rep...

https://kyhbpa.org/member/request\_report

### Request Report

Please select the conditions that apply to you and our administrator will send you the appropriate report in 1-3 business days.

Check applicable conditions:

- ☐ Condition 1
- ☐ Condition 2
- ☒ Condition 3
- ☐ Condition 4

Please provide any additional details for your request:

**Submit**

## Select Report

The Select Report prototype captures the administrator's view of reports that match the member's requests. The administrator can further use the member's additional details to select the report best suited for the member's needs.

Select Report

https://kyhbpa.com/admin/select\_report

### Select Report

Select report best suited to members' needs.

Member ID	Conditions	Report
xxxxxxx	<ul style="list-style-type: none"><li>Condition 1</li><li>Condition 2</li><li>Condition 3</li><li>etc...</li></ul>	Reports ▼
xxxxxxx	<ul style="list-style-type: none"><li>Condition 1</li><li>Condition 2</li><li>Condition 3</li><li>etc...</li></ul>	Reports ▼

Submit