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CST 336 - Internet Programming
Final Project Documentation

User Stories

- As an avid baseball fan, I would like a website where I could create my dream team of professional baseball players so I can stay up to date with data on all my favorite players.
- As a person who partakes in fantasy baseball, I would like a website where I could put together my fantasy league and see all my players current stats.
- As a baseball fan, I would like a website where I could compile a list of all my favorite players in each position so I can compare their stats.

Mockup

The mockup shows a web browser window with the URL `https://cst336-finalproject-zerka.c9users.io/CST336-final-project/index.php`. The page has a light green background. At the top left is a red "Logout" button. At the top right is a blue "View Teams" button. The main heading is "Baseball Dream Team Builder". Below the heading is a section titled "Rules and Usage:" with seven numbered rules. Below the rules is a search form with the label "Last Name Search :", a text input field, and a "Search" button. Below the search form is the text "Search Results:". Below that is a large red rectangular box labeled "Results". Below the results box is a white button labeled "Add Players to Team". Below the button is a large blue rectangular box labeled "List of Players added to team".

Baseball Dream Team Builder

Logout

View Teams

Rules and Usage:

1. You can have any players you want, but only in positions that they are declared in.
2. You can have a maximum of 25 players, just like the active roster of the MLB.
3. Search for a player using the search bar at the top and select the player you'd like from the options provided.
4. You can refine the search by selecting whether the player is active or not with the radio buttons.
5. Search using last name only, this will provide a more thorough search of the player database.
6. All stats data will be for the current regular season.
7. To switch between your different teams, select which team you'd like to view from the drop-down menu at the top of the screen.

Last Name Search : Search

Search Results:

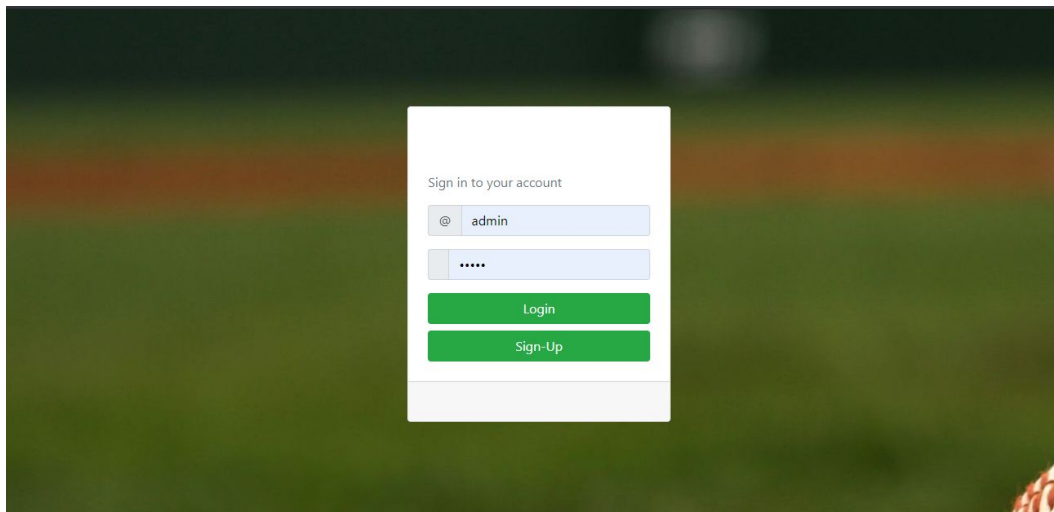
Results

Add Players to Team

List of Players added to team

Website Functionality and Usage (Screenshots)

When you visit our website, you will be greeted with a login screen. If you do not have a username and password, you can press the signup button at the top right of the page to enter your email and password into the database. Once an account is created, you can now enter our site.



Registration

Sign up for a new account

Signup

Return to Login Page

Upon entering our site, the first thing you will notice is a set of rules at the top of the page. We have created a user guide and rules so that the user experience is optimal.

Baseball Dream Team - Rules and Usage:

1. You can have any players you want, but only in positions that they are declared in.
2. You can have a maximum of 25 players, just like the active roster of the MLB.
3. Search for a player using the search bar at the top and select the player you'd like from the options provided.
4. Search using last name only, this will provide a more thorough search of the player database.
5. All stats data will be for the 2017 regular season.
6. To switch between your different teams, select which team you'd like to view from the "Available Teams" table below.

Team Name: No teams have been created yet

Last Name Search:

Once the user understands how to properly use our website, the user can now begin searching for their favorite players by name. When a players name is searched, every player with similar names will populate in a list for the user to choose from.

Last Name Search:

Search Results:

	First Name	Last Name	Team	Player ID	Player Position	(Player Position Guide)
■	Jeff	Stevens	Cincinnati Reds	459999	P	
■	Andrew	Stevenson	Washington Nationals	664057	LF	
■	Steve	Ames	Miami Marlins	571441	P	
■	Steven	Baron	St. Louis Cardinals	571467	C	
■	Steven	Brault	Pittsburgh Pirates	643230	P	
■	Steve	St. Louis	St. Louis Cardinals	540550	P	

Once a player is selected, the player is added onto the user's current list of players. The user can continue adding players onto their team (up to 25).

Add Player(s)

Pitcher(s)

First Name	Last Name	ERA	Win/Loss
Steven	Wright	8.25	1 / 3

Catcher(s)

Firstname	Lastname	Batting Average	On Base Percentage	Slugging Percentage
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First Basemen

Firstname	Lastname	Batting Average	On Base Percentage	Slugging Percentage
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Second Basemen

Firstname	Lastname	Batting Average	On Base Percentage	Slugging Percentage
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Here are our databases








Players database:

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/> 1	id	int(11)			No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/> 2	team_id	int(4)			No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/> 3	first_name	varchar(100)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/> 4	last_name	varchar(100)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/> 5	type	varchar(2)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/> 6	b_avg	int(4)			Yes	NULL		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/> 7	ops	int(4)			Yes	NULL		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/> 8	slg	int(4)			Yes	NULL		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/> 9	era	int(4)			Yes	NULL		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/> 10	win	int(3)			Yes	NULL		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/> 11	loss	int(3)			Yes	NULL		Change Drop Primary Unique Index Spatial Fulltext Distinct values

User database:

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
<input type="checkbox"/> 1	id	int(4)			No	None	AUTO_INCREMENT	Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/> 2	email	varchar(200)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
<input type="checkbox"/> 3	password	varchar(300)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values

Team database:

 ▼				id	user_id	team_name
<input type="checkbox"/>	 Edit	 Copy	 Delete	4	1	wakkaflokkaflamingo
<input type="checkbox"/>	 Edit	 Copy	 Delete	42	3	Hannah Montanas Left Elbow