

❑ Equivalence Class Partitioning

EC1: Entered Password in Confirm Password do not match for Registration → Invalid

The screenshot shows a web browser window for a game titled "sign-up". The URL is 127.0.0.1:8000/sign-up. On the left is a sidebar with various game options like Dashboard, LeaderBoard, Champions, Items, Tier List, How to play, Player Details, Your Profile, Personal Stats, Suggestions, Compare, and Download App. The main area has a "Sign up" heading with a logo. Below it are input fields for First Name (Vrushti), Last Name (Dhola), Email Address (vrushtidhola25@gmail.com), Password (*****), and Confirm Password (*****). A modal dialog box in the center says "127.0.0.1:8000 says" and "Passwords do not match. Please try again" with an "OK" button. At the bottom, there's a "SIGN UP" button and a link to "Already have an account? Sign in".

EC2: Entered Password in Confirm Password match for Registration → Valid

This screenshot is identical to the one above, except the modal dialog box now says "127.0.0.1:8000 says" and "Registration Successful" with a green checkmark, and the "OK" button is present. All other elements, including the sidebar, form fields, and bottom buttons, remain the same.

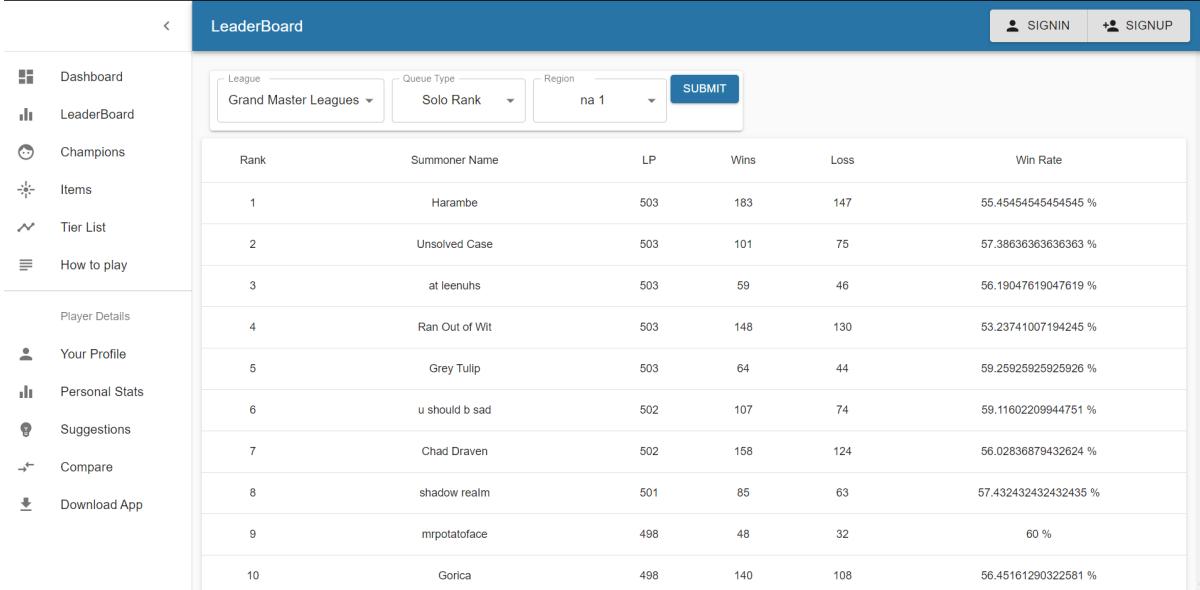
EC3: Entered Email and Password are Correct for Login → Valid

The screenshot shows a web-based sign-in interface for a game. At the top, there's a blue header bar with the text "sign-in" and "127.0.0.1:8000 says Logged in successfully!" with an "OK" button. Below the header is a navigation sidebar on the left containing links like Dashboard, LeaderBoard, Champions, Items, Tier List, How to play, Player Details, Your Profile, Personal Stats, Suggestions, Compare, and Download App. The main content area features a logo of a shield with a dragon-like creature, followed by the text "Sign in". It includes input fields for "Email Address *" (containing "vrushtidhola25@gmail.com") and "Password *" (containing a series of dots). A "SIGN IN" button is centered below these fields. At the bottom of the page, there are links for "Forgot password?" and "Don't have an account? Sign Up", along with a copyright notice: "Copyright © League of Legends analytics 2021".

EC4: Entered Email or Password is Incorrect for Login → Invalid

This screenshot is similar to the previous one but shows an invalid login attempt. The blue header bar now displays "127.0.0.1:8000 says Email or Password Incorrect!" with an "OK" button. The rest of the interface, including the sidebar, logo, and form fields, remains the same. The email address entered is "1234@gmail.com".

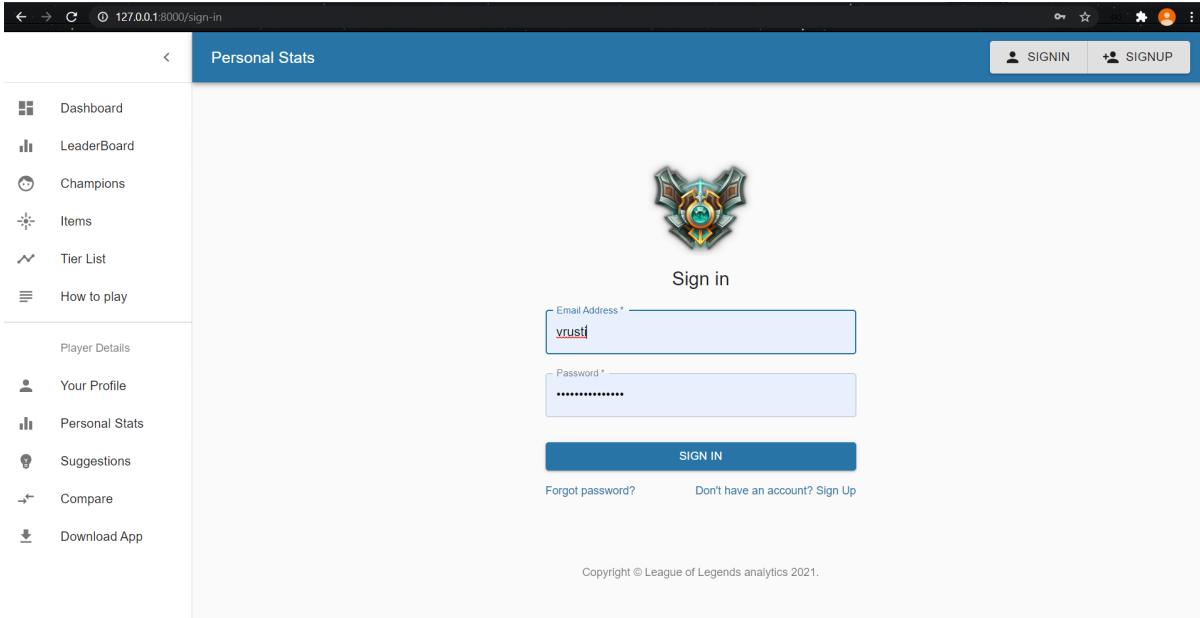
EC6: Entered League Name, Queue Type and Region are Correct → Valid



The screenshot shows the 'LeaderBoard' page with a sidebar on the left containing navigation links like Dashboard, LeaderBoard, Champions, Items, Tier List, How to play, Player Details, Your Profile, Personal Stats, Suggestions, Compare, and Download App. The main content area has three dropdown filters: League (Grand Master Leagues), Queue Type (Solo Rank), and Region (na 1). A 'SUBMIT' button is next to the filters. Below the filters is a table with columns: Rank, Summoner Name, LP, Wins, Loss, and Win Rate. The table lists 10 summoners from rank 1 to 10, with their respective statistics and win rates.

Rank	Summoner Name	LP	Wins	Loss	Win Rate
1	Harambe	503	183	147	55.45454545454545 %
2	Unsolved Case	503	101	75	57.38636363636363 %
3	at leenuhs	503	59	46	56.19047619047619 %
4	Ran Out of Wit	503	148	130	53.23741007194245 %
5	Grey Tulip	503	64	44	59.25925925925926 %
6	u should b sad	502	107	74	59.11602209944751 %
7	Chad Draven	502	158	124	56.02836879432624 %
8	shadow realm	501	85	63	57.432432432432435 %
9	mrpotatoface	498	48	32	60 %
10	Gorica	498	140	108	56.45161290322581 %

EC7: Access Personal Stats Web Page Without Sign-in → Invalid



The screenshot shows the 'Personal Stats' page with a sidebar on the left containing the same navigation links as the previous page. The main content area features a large 'Sign in' button with a summoner icon above it. Below the button is a 'Sign in' heading. There are two input fields: 'Email Address *' containing 'yrusti' and 'Password *' containing a masked password. A 'SIGN IN' button is at the bottom of the form. Below the form are links for 'Forgot password?' and 'Don't have an account? Sign Up'. At the very bottom of the page is a copyright notice: 'Copyright © League of Legends analytics 2021.'

EC8: Region or Summoner Name is not Entered in Personal Stats Webpage → Invalid

The image displays two screenshots of a web application interface, likely a League of Legends analytics tool, running at 127.0.0.1:8000/personal-stats.

Top Screenshot: Personal Stats

- Header:** PROFILE, LOGOUT
- Main Content:** "Enter a Summoner name to get their personal statistics".
 - Form Fields:** Summoner Name * (input: Doublelift), Region (dropdown: na 1).
 - Buttons:** SEARCH, Copyright © League of Legends analytics 2021.
- Left Sidebar:** Dashboard, LeaderBoard, Champions, Items, Tier List, How to play, Player Details, Your Profile, Personal Stats, Suggestions, Compare, Download App.

Bottom Screenshot: Suggestions

- Header:** PROFILE, LOGOUT
- Main Content:** "Enter your Summoner Name and Get Suggestions".
 - Form Fields:** Summoner Name * (input: Doublelift), Region (dropdown: na 1).
 - Buttons:** GET SUGGESTIONS!, Copyright © League of Legends analytics 2021.
- Left Sidebar:** Dashboard, LeaderBoard, Champions, Items, Tier List, How to play, Player Details, Your Profile, Personal Stats, Suggestions, Compare, Download App.

EC8: Entered Summoner Name and Region Entered is Correct for Suggestions → Valid

The screenshot shows a web application interface for 'Suggestions'. On the left is a sidebar with navigation links: Dashboard, LeaderBoard, Champions, Items, Tier List, How to play, Player Details, Your Profile, Personal Stats, Suggestions, Compare, and Download App. The main content area has a blue header 'Suggestions' and a sub-header 'Enter your Summoner Name and Get Suggestions'. Below this are two input fields: 'Summoner Name*' containing 'Doublelift' and 'Region' containing 'na 1'. A blue button labeled 'GET SUGGESTIONS!' is below the inputs. To the right of the inputs is a section titled 'Here is Suggestions' which contains two charts. The top chart is a bar chart titled 'Recommendation Section' with the legend '% recommendation for New Agents'. The bars show recommendations for various champions: Jinx (~7%), Samira (~5.5%), Tristana (~5.2%), Kar'Sa (~4.2%), Pyke (~4.0%), Sivir (~3.8%), Yasuo (~3.5%), Anivia (~3.2%), Yone (~3.0%), and Ezreal (~3.2%). The bottom chart is a bar chart titled 'Current Champion Usage' with the legend 'Top Champions Used By you (in %)'. The bars show usage percentages for the same champions: Jinx (~3.5%), Samira (~3.2%), Tristana (~3.0%), Kar'Sa (~2.8%), Pyke (~2.5%), Sivir (~2.5%), Yasuo (~2.5%), Anivia (~2.2%), Yone (~2.0%), and Ezreal (~2.0%).

EC8: Region or Summoner Name is not Entered for Suggestions → Invalid

This screenshot is identical to the one above, but the 'Region' input field is empty instead of containing 'na 1'. The rest of the interface, including the sidebar, header, and charts, remains the same.

The screenshot shows the 'Suggestions' page of a League of Legends analytics application. The header includes a back arrow, the title 'Suggestions', and user links for 'PROFILE' and 'LOGOUT'. On the left is a sidebar with navigation links: Dashboard, LeaderBoard, Champions, Items, Tier List, How to play, Player Details, Your Profile, Personal Stats, Suggestions, Compare, and Download App. The main content area has a heading 'Enter your Summoner Name and Get Suggestions' with input fields for 'Summoner Name *' (containing 'Doublelift') and 'Region' (set to 'na 1'). A blue button labeled 'GET SUGGESTIONS!' is below the inputs. At the bottom right of the content area is the copyright notice 'Copyright © League of Legends analytics 2021.'

EC9: If any of the field is not Entered for Comparison → Invalid

The screenshot shows the 'Comparison' page of the same League of Legends analytics application. The layout is identical to the 'Suggestions' page, with the 'Comparison' title in the header and the same sidebar on the left. In the main content area, there are two sets of input fields for 'Summoner Name *' (one containing 'Doublelift' and the other empty) and 'Region' (both set to 'na 1'). A blue button labeled 'COMPARE!' is positioned between the two sets of inputs. The copyright notice at the bottom right remains the same.

EC14: Access Items Web Page Without Sign-in → Valid

Screenshot of the Items page from a web application. The page has a sidebar on the left with navigation links like Dashboard, LeaderBoard, Champions, Items, Tier List, and How to play. The main content area is titled "Items" and displays four items in a grid:

Item	Description	Buy Price	Sell Price
Boots	Boots Slightly increases movement speed	BUY 300	SELL 210
Faerie Charm	Faerie Charm Manaregen	BUY 250	SELL 175
Rejuvenation Bead	Rejuvenation Bead HealthRegen	BUY 150	SELL 105
Giant's Belt	Giant's Belt Health	BUY 500	SELL 630

The URL in the address bar is 127.0.0.1:8000/items.

EC15: Access Champions Web Page Without Sign-in → Valid

Screenshot of the Champions page from a web application. The page has a sidebar on the left with navigation links like Dashboard, LeaderBoard, Champions, Items, Tier List, and How to play. The main content area is titled "Champions" and displays eight champions in a grid:

Champion	Description	Attack	Defense	Magic	Difficulty
Aatrox	the Darkin Blade Fighter/Tank	ATTACK 8	DEFENSE 4	MAGIC 3	DIFFICULTY 4
Ahri	the Nine-Tailed Fox Mage/Assassin	ATTACK 3	DEFENSE 4	MAGIC 8	DIFFICULTY 5
Akali	the Rogue Assassin Assassin	ATTACK 5	DEFENSE 3	MAGIC 8	DIFFICULTY 7
Alistar	the Minotaur Tank/Support	ATTACK 6	DEFENSE 9	MAGIC 5	DIFFICULTY 7
Amumu	the Sad Mummy Tank/Mage	ATTACK 2	DEFENSE 6	MAGIC 8	DIFFICULTY 3
Anivia	the Cryophoenix Mage/Support	ATTACK 1	DEFENSE 4	MAGIC 10	DIFFICULTY 10
Annie	the Dark Child Mage	ATTACK 2	DEFENSE 3	MAGIC 10	DIFFICULTY 6
Aphelios	the Weapon of the Faithful Marksman	ATTACK 6	DEFENSE 2	MAGIC 1	DIFFICULTY 10

The URL in the address bar is 127.0.0.1:8000/champions/Ahri.

EC16: Access Individual Champions Details from Champions Web Page Without Sign-in → Valid

Aatrox

Abilities

The Darkin Blade Q RangeBurn: 25000 MAXRANK 5 COOLDOWN BURN 14/12/10/8/6	Infernal Chains W RangeBurn: 825 MAXRANK 5 COOLDOWN BURN 26/23/20/17/14
Umbral Dash E RangeBurn: 25000 MAXRANK 5 COOLDOWN BURN 9/8/7/6/5	World Ender R RangeBurn: 25000 MAXRANK 3 COOLDOWN BURN 120/100/80

Passive Ability
Deathbringer Stance

Periodically, Aatrox's next basic attack deals bonus physical damage and heals him, based on the target's max health.

EC17: Access Tier List Web Page Without Sign-in → Valid

Tier List

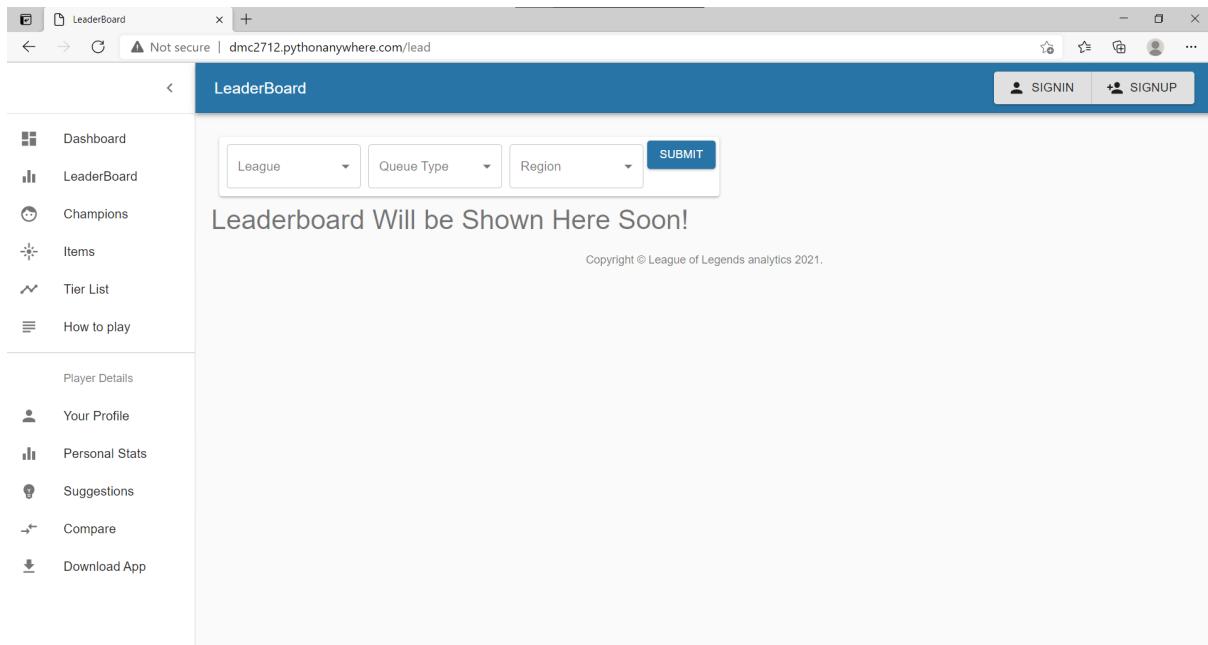
This is TierList!

Rank	Champion Name	Pick Rate	Ban Rate	Total Matches
1	Lulu	9.80	9.51	143000
2	MasterYi	9.49	24.52	251900
3	Kayn	9.45	10.71	149300
4	Darius	9.42	35.84	335200
5	Zed	9.37	30.52	295400
6	Mordekaiser	9.22	10.28	144400
7	LeeSin	9.17	2.42	85800
8	Syndra	9.05	6.21	113000
9	Shaco	8.96	20.09	212200
10	Viego	8.56	15.31	176800
11	Ekko	8.37	5.14	100100

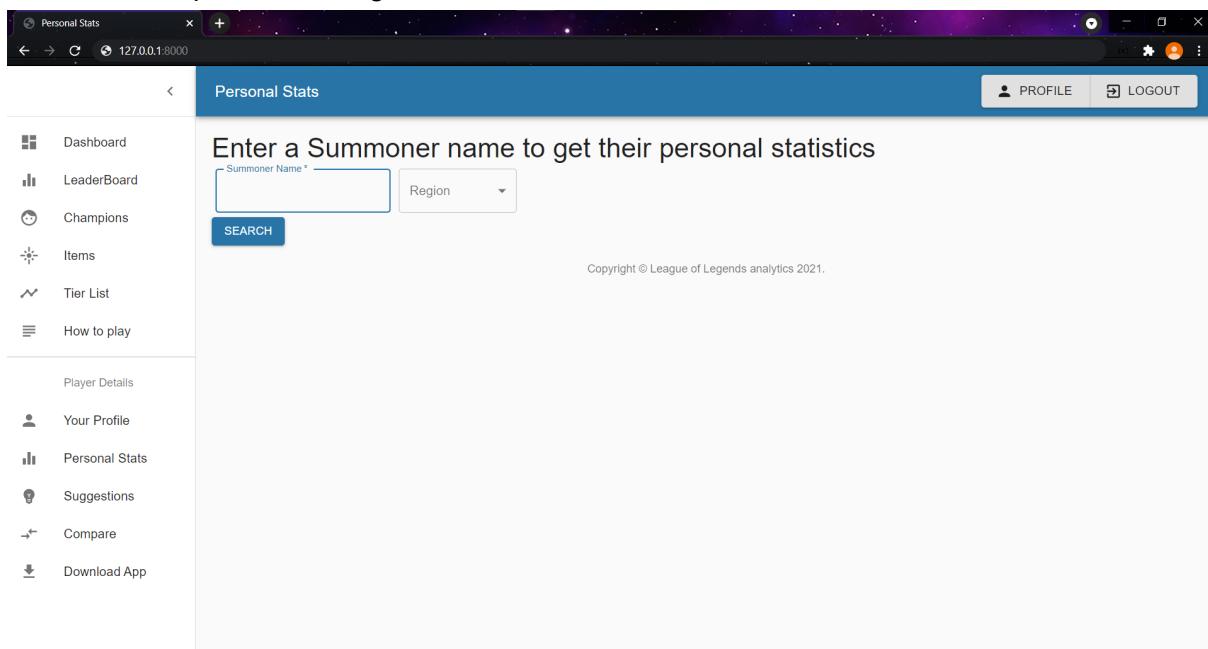
127.0.0.1:8000/tier-list

❑ Compatibility testing

C1: Website Opened in Microsoft Edge → Valid



C2: Website Opened in Google Chrome → Valid



C3: Website Opened in Firefox → Valid

The screenshot shows a web browser window for 'Champions' at dmc2712.pythonanywhere.com/champions. The left sidebar contains links like Dashboard, LeaderBoard, Champions, Items, Tier List, How to play, Player Details, Your Profile, Personal Stats, Suggestions, Compare, and Download App. The main content area displays eight champion cards in a grid:

Champion	Description	Attack	Defense	Magic	Difficulty
Aatrox	the Darkin Blade Fighter /Tank	ATTACK 8	DEFENSE 4	MAGIC 3	DIFFICULTY 4
Ahri	the Nine-Tailed Fox Mage /Assassin	ATTACK 3	DEFENSE 4	MAGIC 8	DIFFICULTY 5
Akali	the Rogue Assassin Assassin	ATTACK 5	DEFENSE 3	MAGIC 8	DIFFICULTY 7
Alistar	the Minotaur Tank /Support	ATTACK 6	DEFENSE 9	MAGIC 5	DIFFICULTY 7
Amumu	the Sad Mummy Tank /Mage	ATTACK 2	DEFENSE 6	MAGIC 8	DIFFICULTY 3
Anivia	the Cryophoenix Mage /Support	ATTACK 1	DEFENSE 4	MAGIC 10	DIFFICULTY 10
Annie	the Dark Child Mage	ATTACK 2	DEFENSE 3	MAGIC 10	DIFFICULTY 6
Aphelios	the Weapon of the Faithful Marksman	ATTACK 6	DEFENSE 2	MAGIC 1	DIFFICULTY 10

C4: Mobile Compatibility → Valid

The screenshot shows a mobile compatibility test for an iPhone X in a browser window at 127.0.0.1:8000/suggestions. The page displays a form for entering a summoner name and selecting a region, with a 'GET SUGGESTIONS!' button. The right side of the screen shows the Chrome DevTools developer panel with the Elements tab selected, displaying the DOM structure and styles for the page. The styles panel shows the CSS for the main container, which has a height of 100vh and flex-grow: 1.

```
<!DOCTYPE html>
<html lang="en">
  <head></head>
  <body style="background-color: #f0f0f0; padding: 10px; font-family: sans-serif; margin: 0; font-size: 14px;">
    <div id="root">
      <div class="root">
        <div>
          <h2>Enter your Summoner Name and Get Suggestions</h2>
          <form>
            <input type="text" placeholder="Summoner Name" required="" style="width: 100%; height: 40px; margin-bottom: 10px; border: 1px solid #ccc; border-radius: 5px; padding: 5px; font-size: 14px; font-family: inherit;" />
            <select style="width: 100%; height: 40px; margin-bottom: 10px; border: 1px solid #ccc; border-radius: 5px; padding: 5px; font-size: 14px; font-family: inherit;">
              <option value="US">Region</option>
            </select>
            <button type="button" style="width: 100%; height: 40px; background-color: #007bff; color: white; border: none; border-radius: 5px; font-weight: bold; font-size: 14px; font-family: inherit; cursor: pointer;">GET SUGGESTIONS!</button>
          </form>
          <p style="font-size: 10px; margin-top: 10px;">Copyright © League of Legends analytics 2021.
        </div>
      </div>
    </div>
  </body>

```