Conclusion:

Splash And Smash is a website based on amusement park created using HTML5 and CSS3 technologies. Various elements of HTML5 and previous HTML versions were used. HTML Semantic Elements (nav, main, header, footer) were used to provide structure to the webpage in addition to those semantic elements other elements (Table, Forms and iFrame) were used to implement the features of the website. HTML form elements were used to create a login and registration page, JavaScript was used to validate the inputs in those forms. HTML5's validation was also used to validate the registration form. To provide styling to the page CSS3 (inline, external and internal) was used. CSS3 animation and transition was used to implement various effects like scaling, translation and rotation. CSS3 pseudo class selectors were used on elements like buttons and input fields. All pages were made responsive to maintain a consistent look and feel of the website across all the screen devices with the help of Viewport and Media Query.

XML and XSL were used to display the Ride timings table, via PHP XSLTProcessor. XSLT (Extensible Style-sheet Language Transformations) is a language for transforming XML documents into other XML documents, or other formats.

Once the front end of the website was created, the functionality of the website was given through the database connection and query operations such as insert, delete, and update. Technologies such as AJAX, JSON were also used in the website. Cookies using PHP was used to book ticket of the guests. A proper filtered search was made for the users with different categories using these technologies. After the website was made fully functional it was hosted on internet using free domain. Using these technologies made the website look rich from all the perspectives and would provide users a nice experience to use the website efficiently.