



EduFun

1. Introduction

The most popular method of learning in current scenario is learning through books, kids always find pictures in books very attractive and probably remember the content in the pages with pictures better than those with none. This is the proof that visual markers or pictures help remember much more easily. The current generation of kids spend more time on tablets or laptops rather than spend their spare time reading story books or on coloring books. They show much more interest in interactive gaming and fun, hence they remember the story of Frozen or Zootopia rather than remember the chapters in their English textbook.

The Y-Generation of kids have constant access to digital media hence it is easier to teach them through gaming and interactive media than through books. This change from conventional books to non-conventional digital interactive media is a drastic change and will help in revolutionizing the education system in the future.

Taking this into consideration we aim to create a learning platform for school going kids to help them in tasks like counting numbers and understanding simple concepts. The idea is to combine education and gaming, so as to give them a medium to learn and spend their spare time on. One more motivation is to let them explore subjects on their own rather than being spoon fed by teachers or parents. Thus, we came up with this idea to provide kids an interactive platform where they can learn stuff with a dash of fun.

2. Project Goal and Objectives

2.1 Overall Goal:

The goal of EduFun is to mix fun and education together in such a way so as to make the process of learning a fun filled process, hence the name EduFun. EduFun is a platform of educational games on which kids can learn while having fun and playing games, never getting bored in the process of learning. With games like counting objects, balancing and mass estimation, the project aims at teaching kids various concepts of physics and math making it easy for them to make learning easy. With different concepts applied in various ways EduFun aims at teaching kids to apply the concepts in real life rather than just learn it. For example, let's take the concept of a see-saw which can also be used to teach the concept of fulcrum. Taking this example EduFun tries to integrate difficult concepts into easy examples.

2.2 Specific Objective:

The Specific objective of the project is to teach kids simple math and physics concepts and make it easy for them to learn and apply.

2.3 Specific Features:

2.3.1 Interactive Digital Media

2.3.2 Simple Games to Understand Concepts

2.3.3 Quizzes – Scoring and timed

2.3.4 Scoreboard

2.3.5 Puzzles

2.4 Significance:

The apps currently available in the market are either an educational quiz or games for entertainment. In this application, we aim to combine both games interaction and animation to make the process of learning an entertainment filled pastime. The availability of such games encourages children to learn more efficiently and make it a fun filled experience. The app includes various subjects and levels to encourage them to understand the concept and apply it with ease.

3.Features:

EduFun includes education with interactive media. Education involves Mathematics, Physics, Astrology. Each Subject gives the basic knowledge of the subject and also tests the user what he learned so far. This is achieved by conducting the Quiz and showing the score to user. User should answer in limited amount of time.

- Interactive Gaming: User can enjoy these types of games instead of studying the books and can also grasp the subject knowledge easily in less span of time. This saves a lot of time.
- Mathematics: Most of the children feel hard to handle with numbers and to understand the basic concepts in school-level as this is the most important. EduFun makes this easy by showing how to understand them.
- Physics: Physics give the most trivial laws in our daily life which plays a key role in the natural world. This is explained by giving the most basic information to them. So, that they can go on easily in school.
- Chemistry: Chemistry is one of the branch of physical science which deals with the structures, composition and properties of matter. The interaction between atoms and chemical compounds with the help of intermolecular forces.
- Astrology: Children are interested about galaxy, stars, moon and sun. They want to know about them but the information is not included in curriculum, here we show the live satellite transmission how earth revolves around sun.

Challenges Faced in 4th Increment:

- How to verify the registration details with data in “MongoDB”.
- New Constellation Symbol games are added.
- Learn to speak the alphabets.
- Review of score on Quiz.
- Integrating the flow of project.

Total Features implemented so far:

- Integrating with MongoDB.
- Learn to speak the alphabets.
- Extracting the details from the mongoDB while Logging in to App.

Improvements:

All the modules have been Improved.

4.Existing Services

We used an existing Login template and changed it according to the convenience to our app like including the Facebook Oauth 2.0. To store the register details, we used Mongo DB database which can be used to store the data using API key and enabling access to it. Implementing quizzes on basic concepts. Web service we used here is International Space Station(ISS) Live streaming video API using YouTube API key.

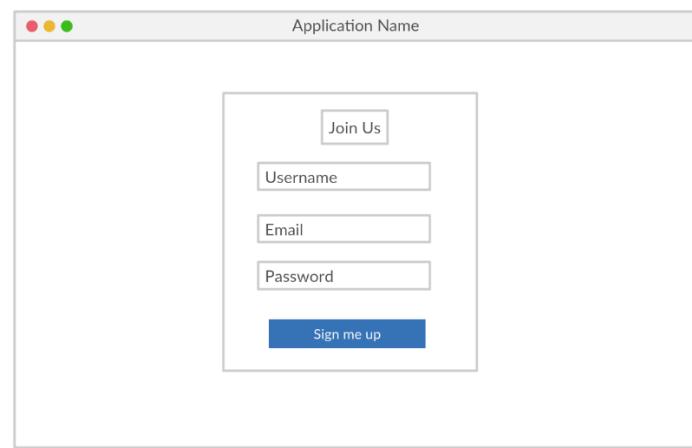
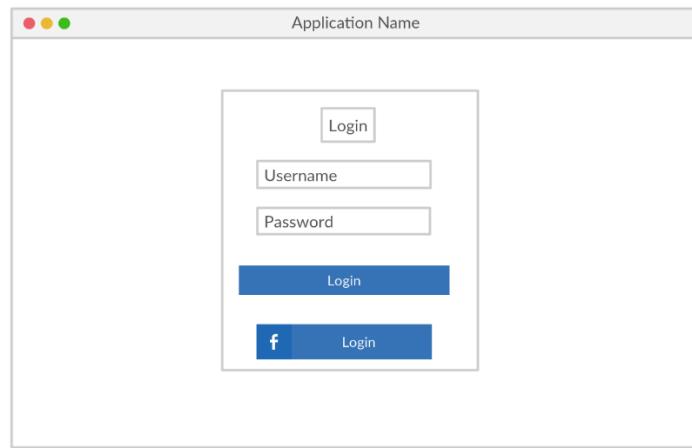
List of API's Used:

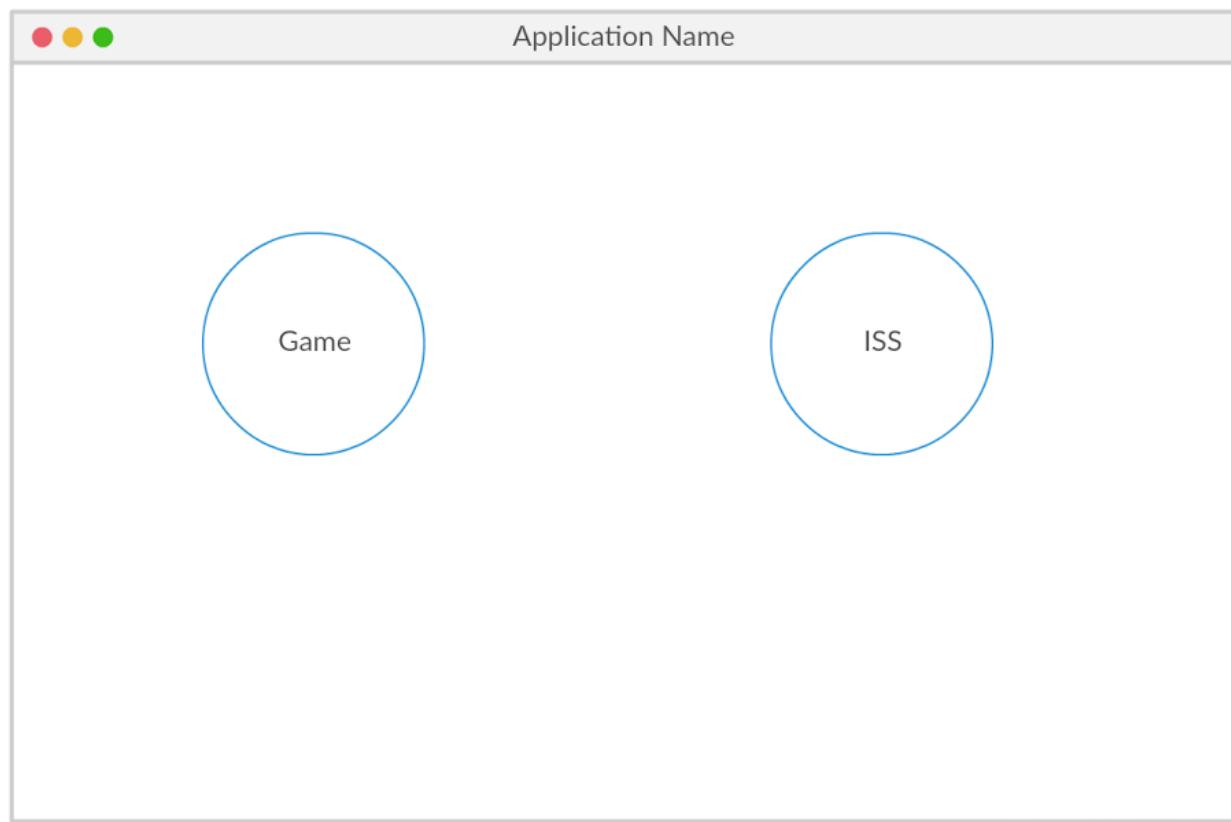
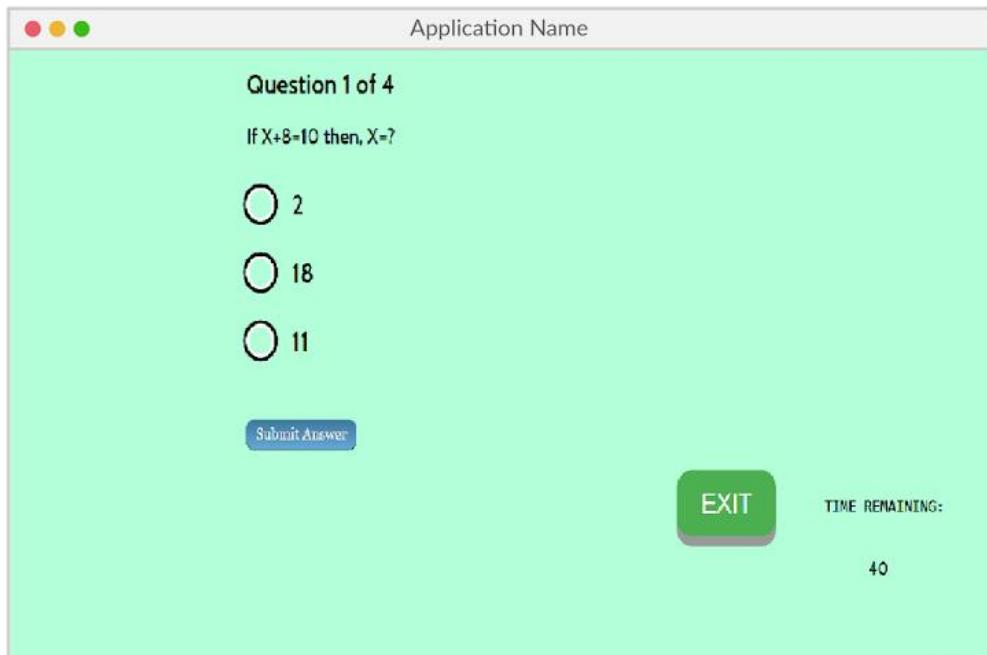
- ISS API key
- YouTube API key
- Facebook API Key
- MongoDB API key
- Text to speech API Key

5.Detail Design of features:

5.1 Detail Design of Features

5.1.1 Wireframes and Mockups





Application Name

Application Name

Physics

Force of Attraction between Bodies

A force of attraction is any type of force that causes objects to come together, even if those objects are not close to or touching each other. The first force that causes attraction is the gravitational force. According to Newton's Universal Law of Gravitation every object in the universe attracts every other object in the universe. Gravity is an attractive force since any object with mass will experience a force of attraction from other objects with mass. Gravity is the reason for the statement 'What goes up must come down.' The second force that can cause attraction is the electric force, also known as the electrostatic force. While gravity affects objects with mass, electrostatic forces affect objects that have charge. Charge is determined by the number of electrons and protons in an object. Most objects are electrically neutral, which means they have an equal amount of electrons, whic

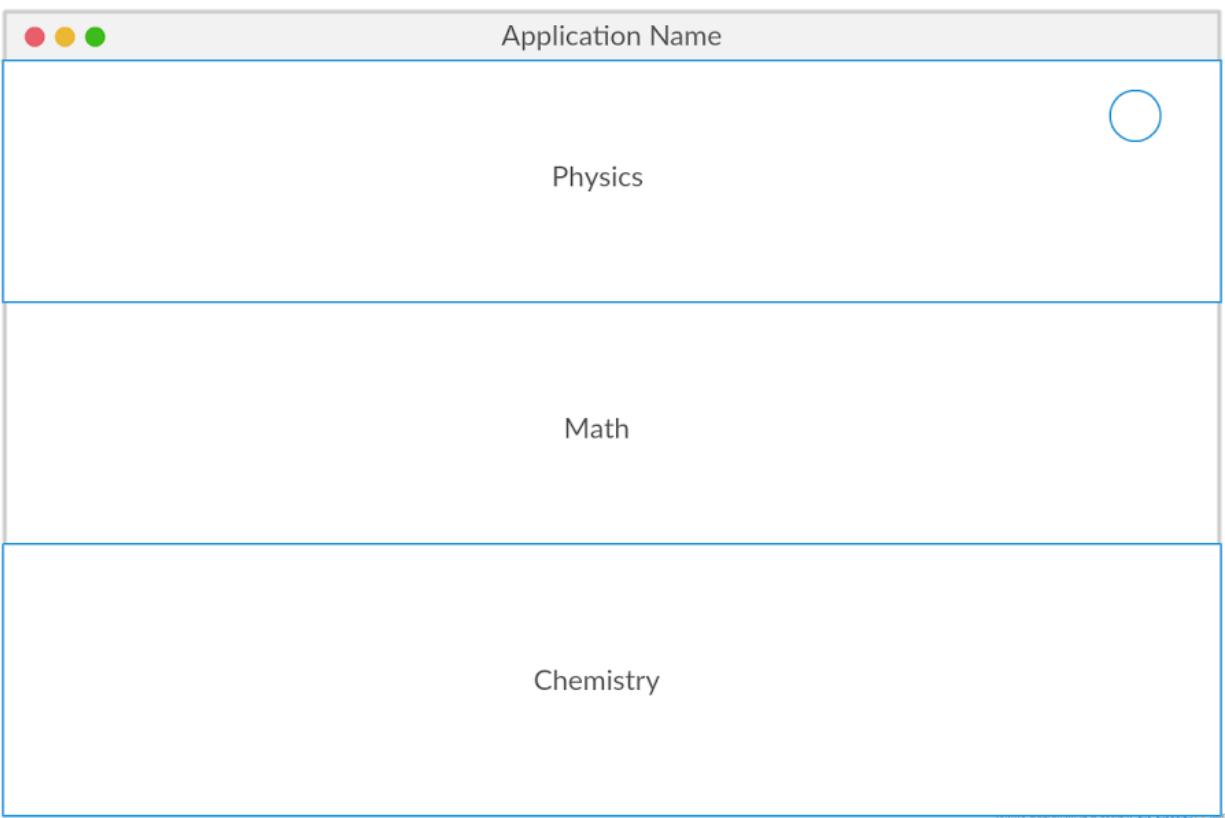
Take a Quiz

QUIZ

Interactive Media

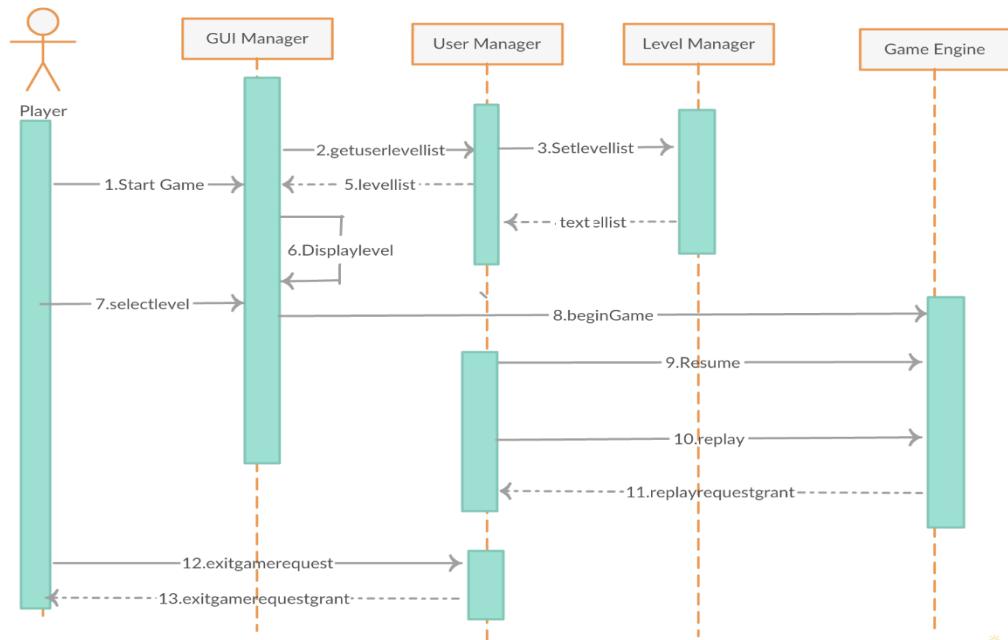
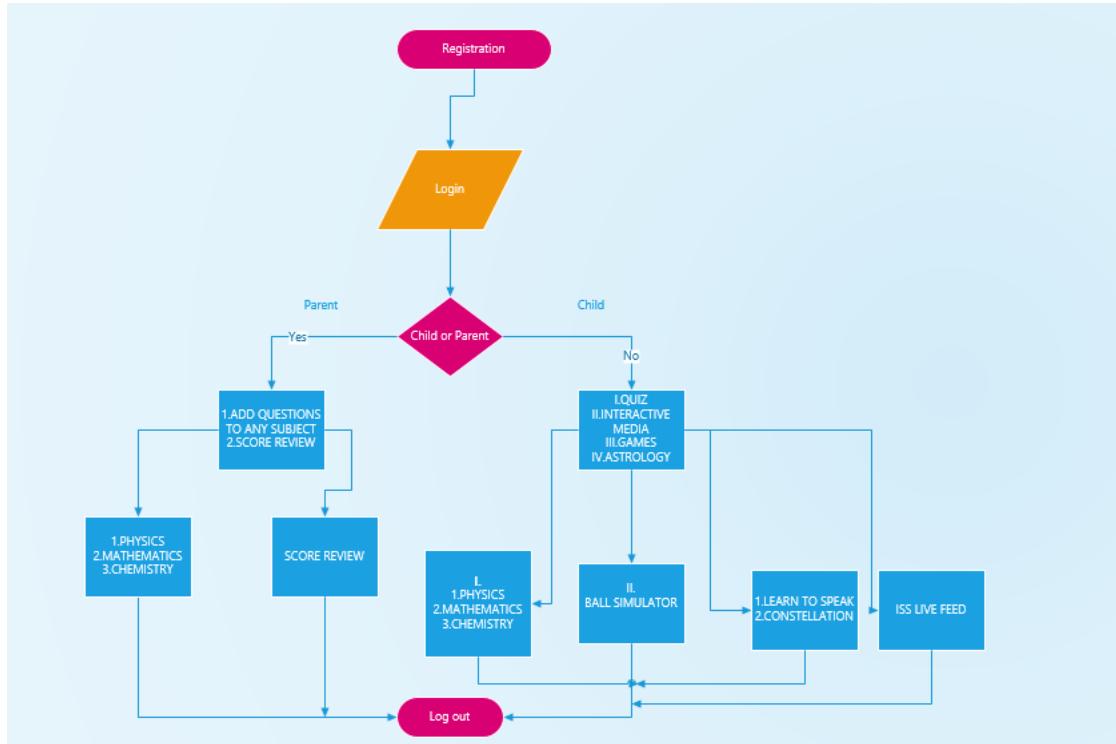
GAMES

Astro



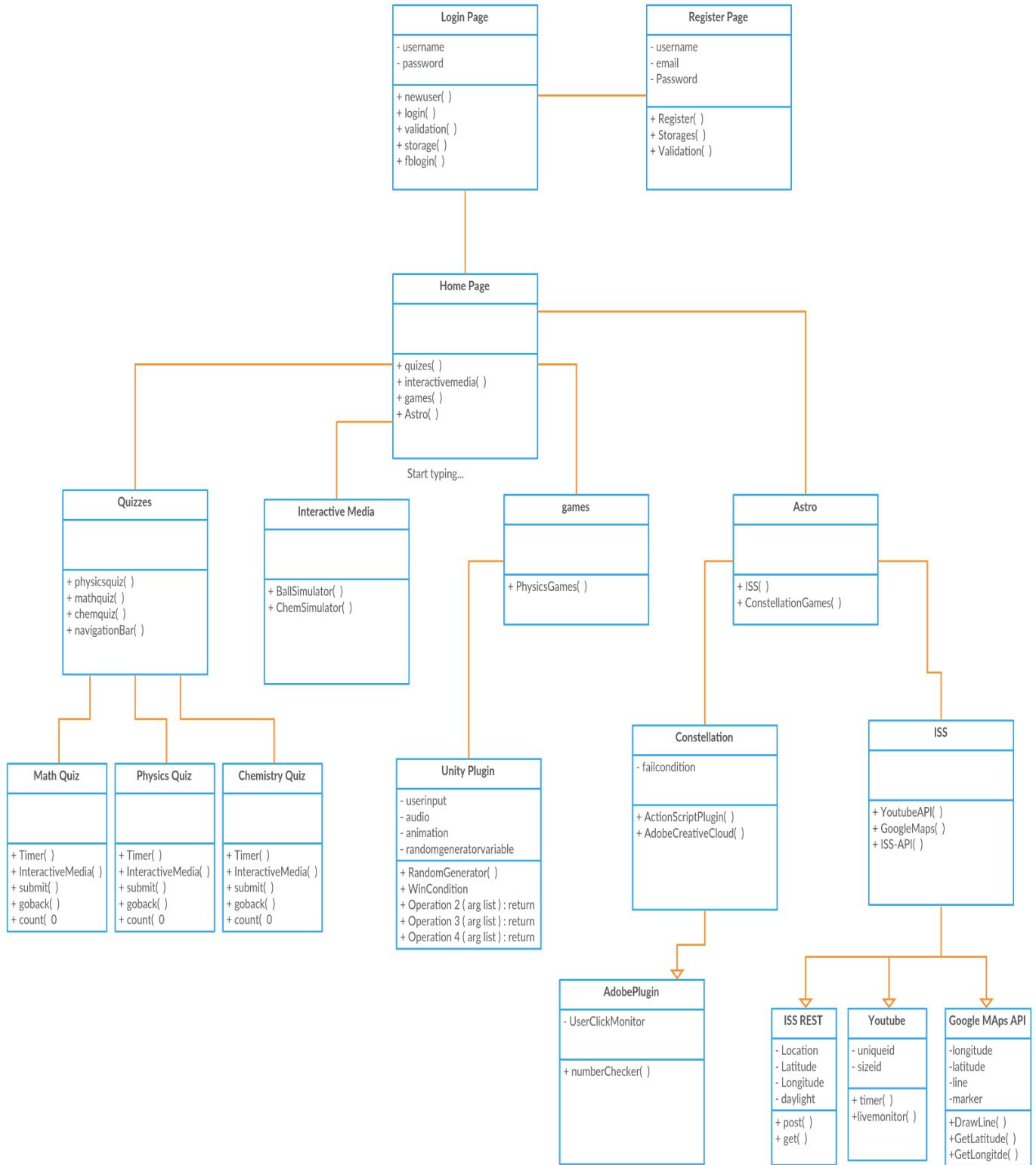
5.2 Architecture diagram/Sequence diagram/Class diagram

Architecture Diagram

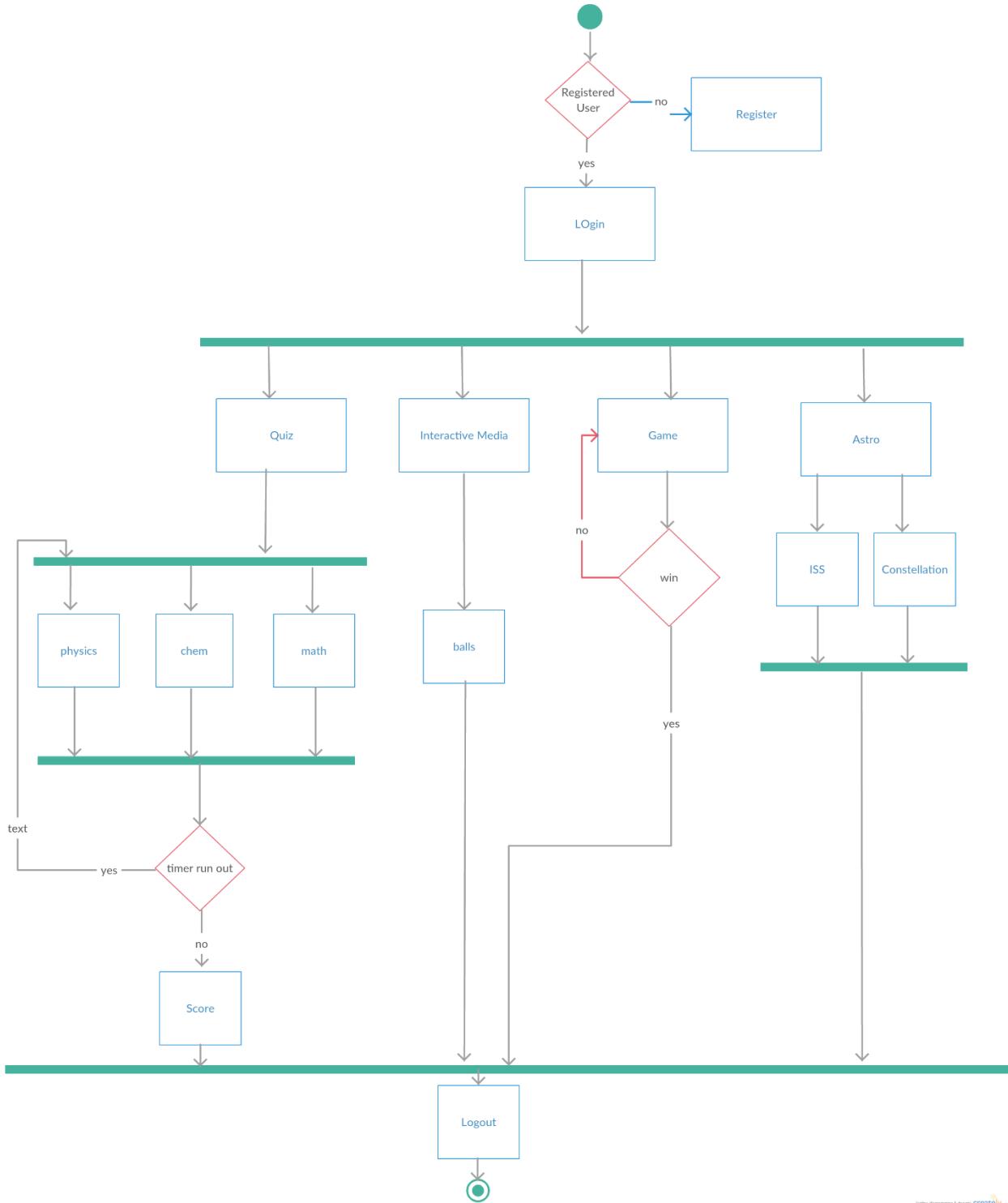


Sequence diagram

Class Diagram:

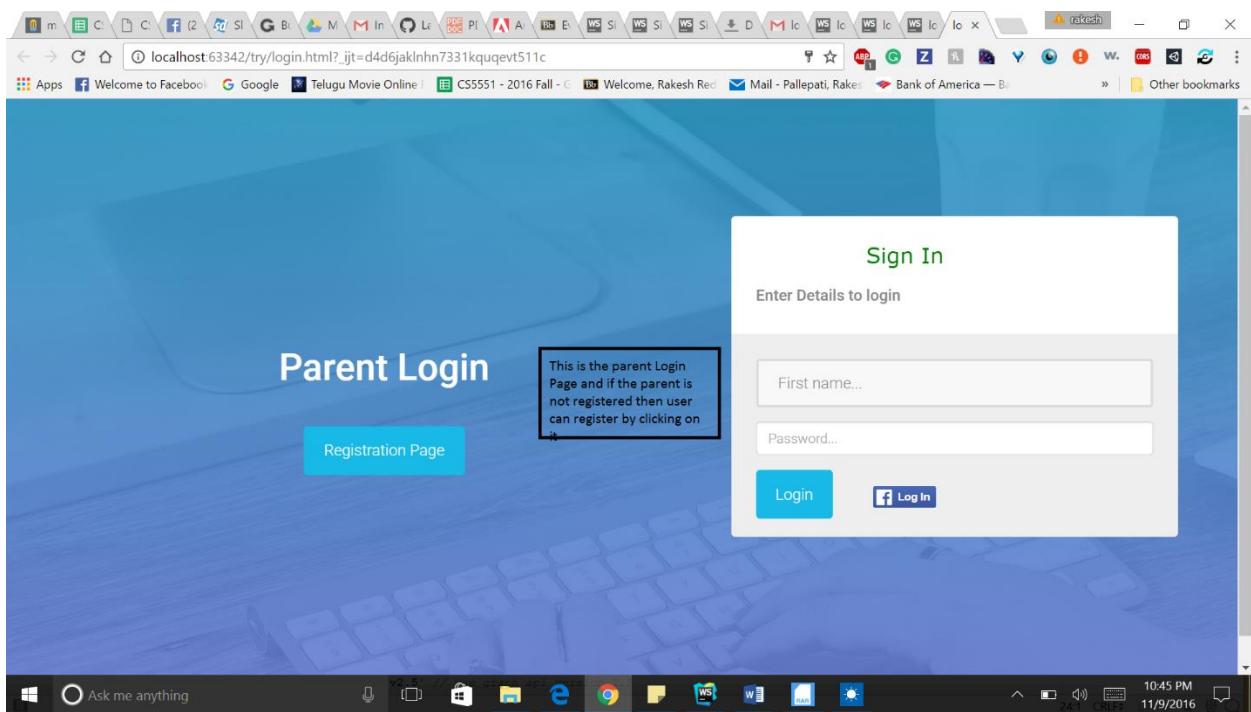
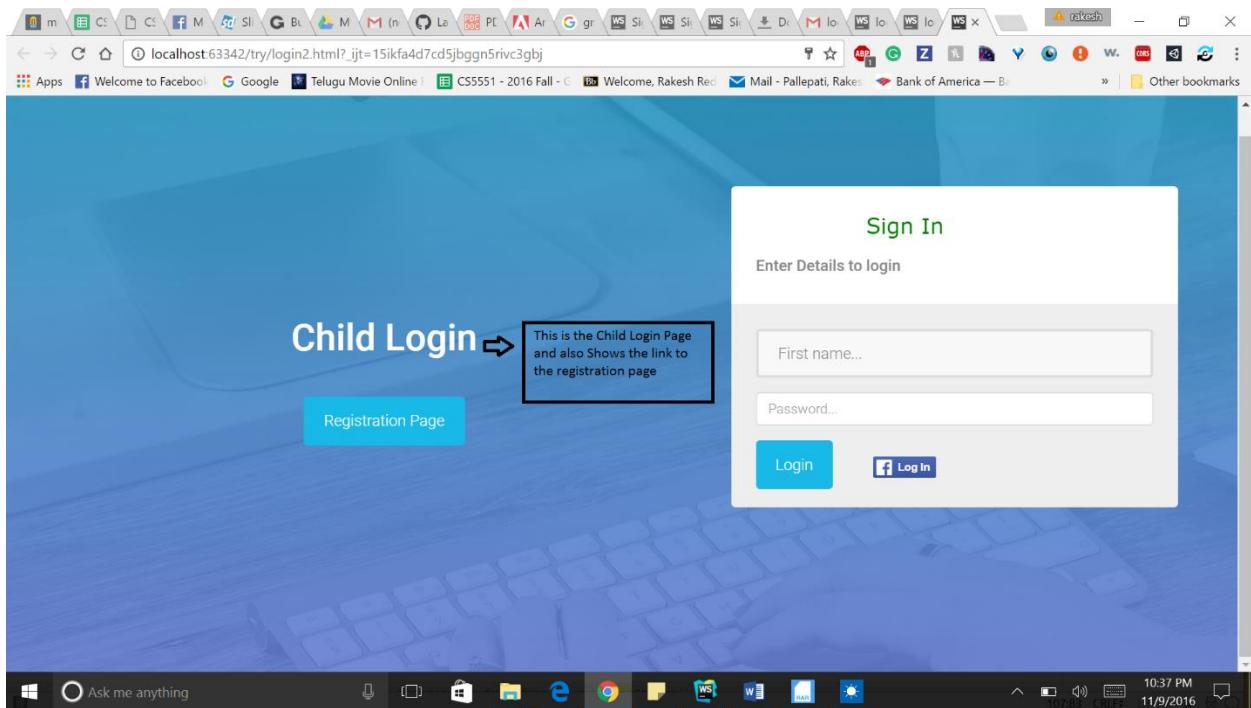


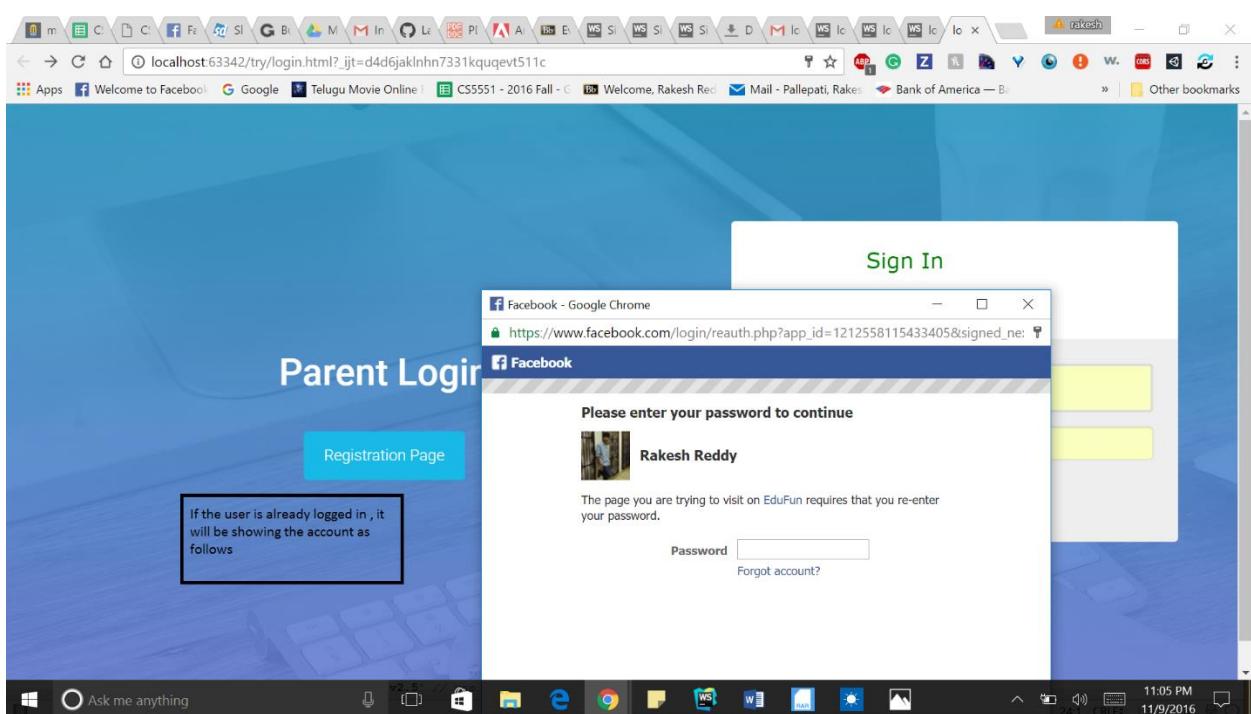
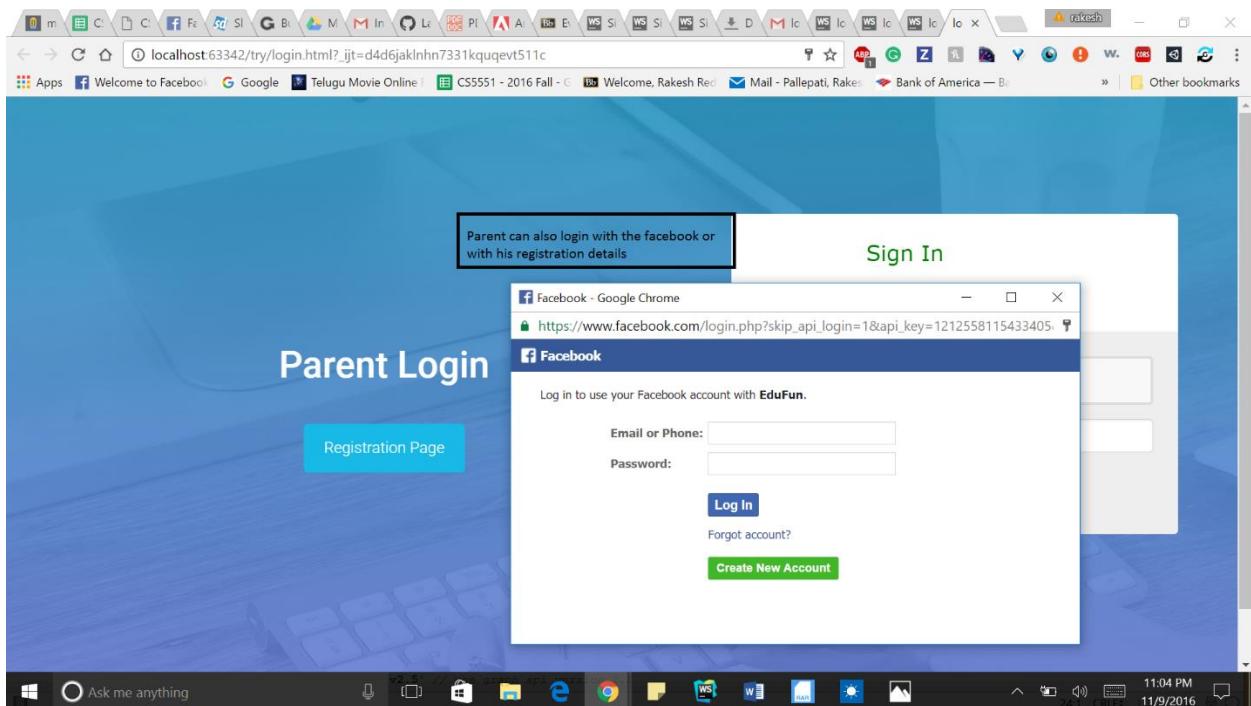
Activity Diagram:

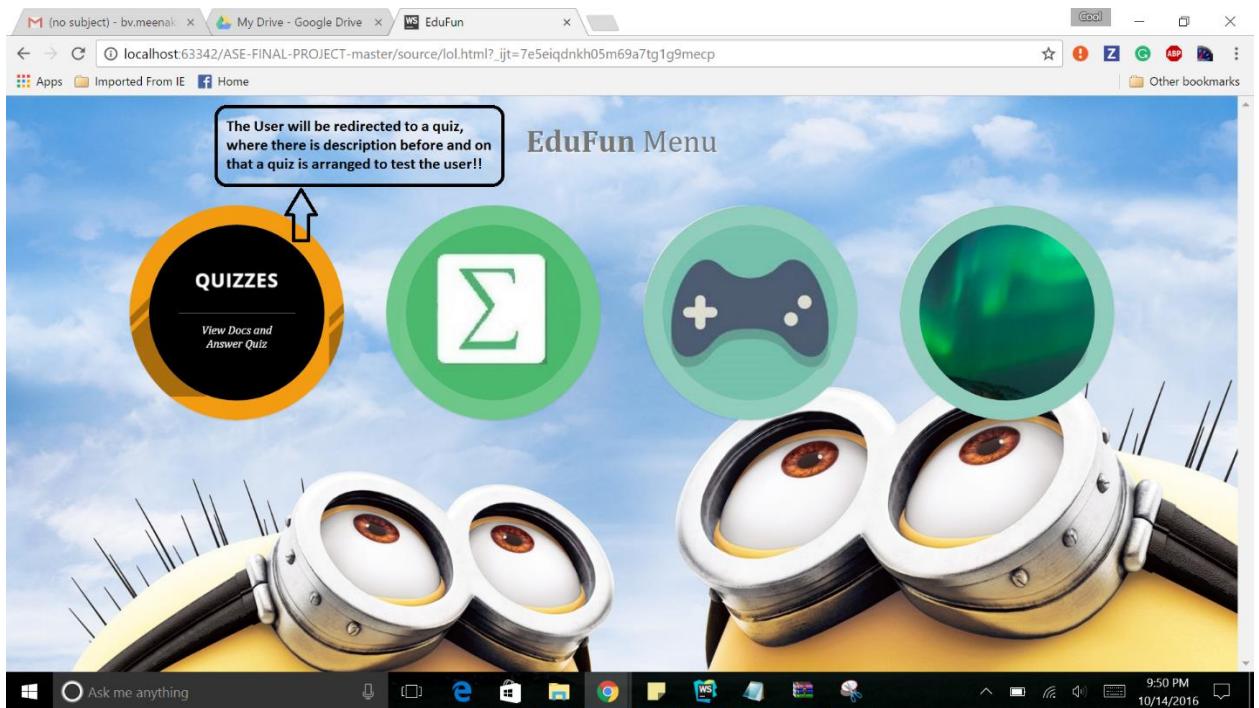


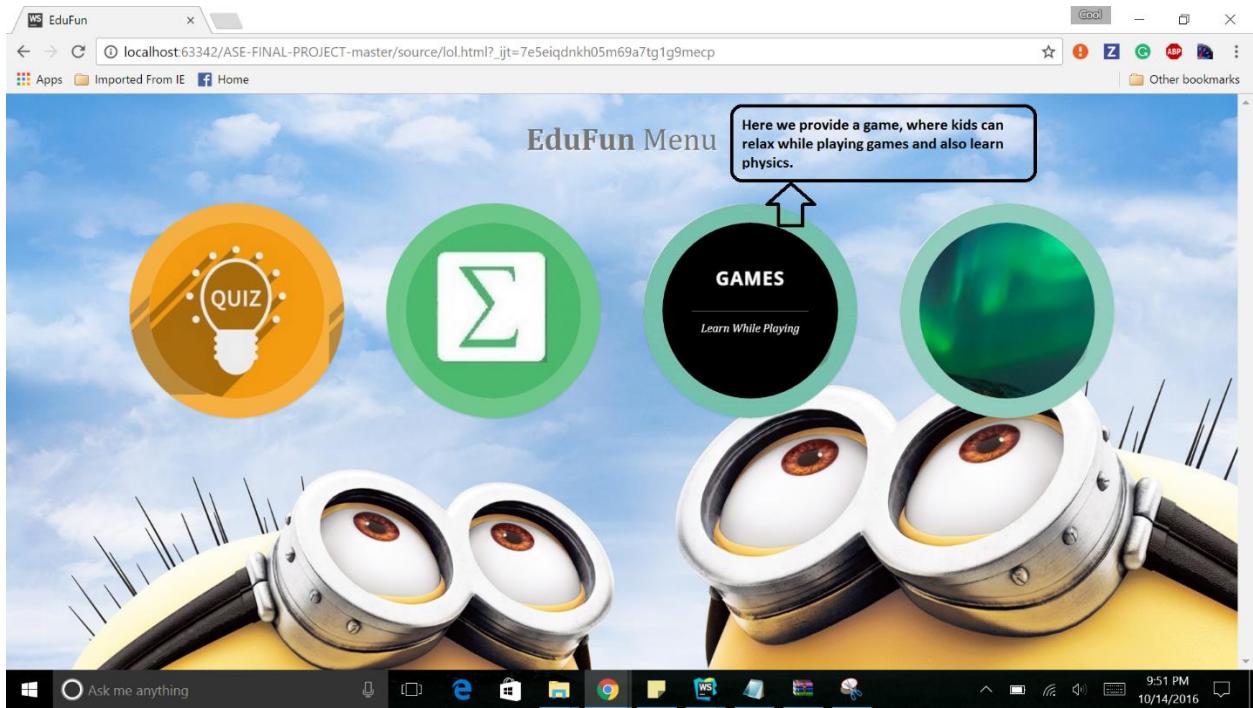
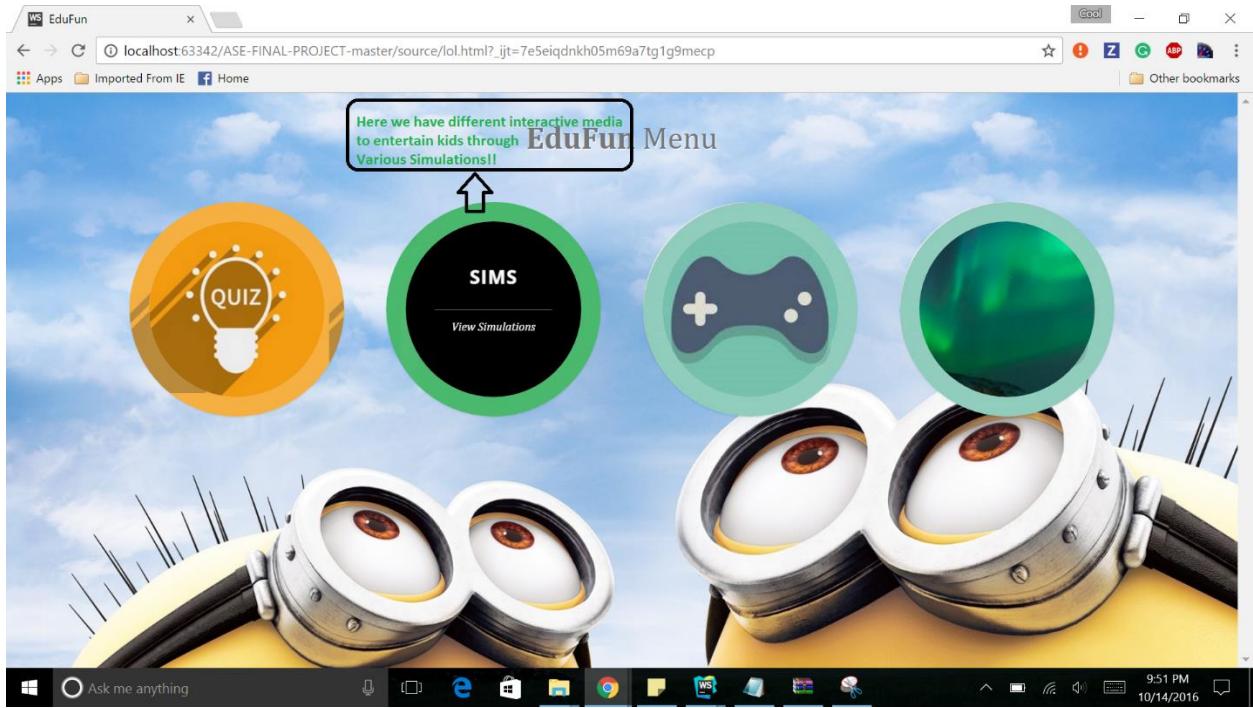
5.3. User Stories:

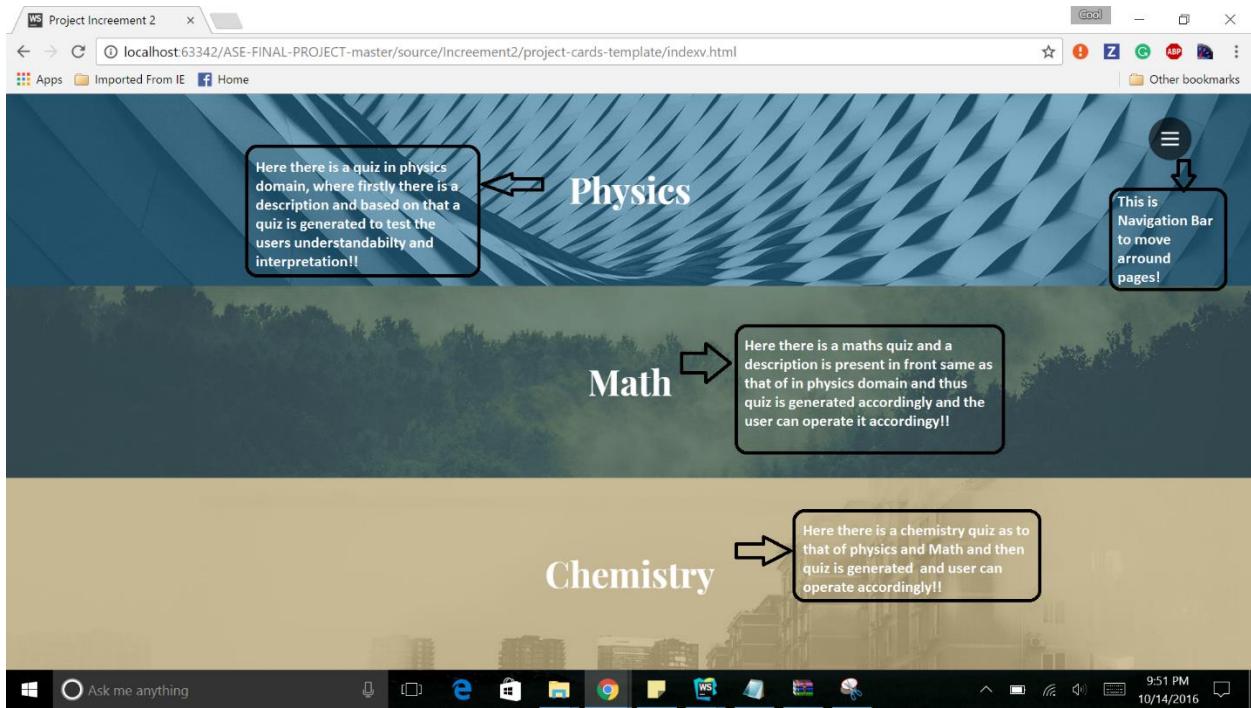
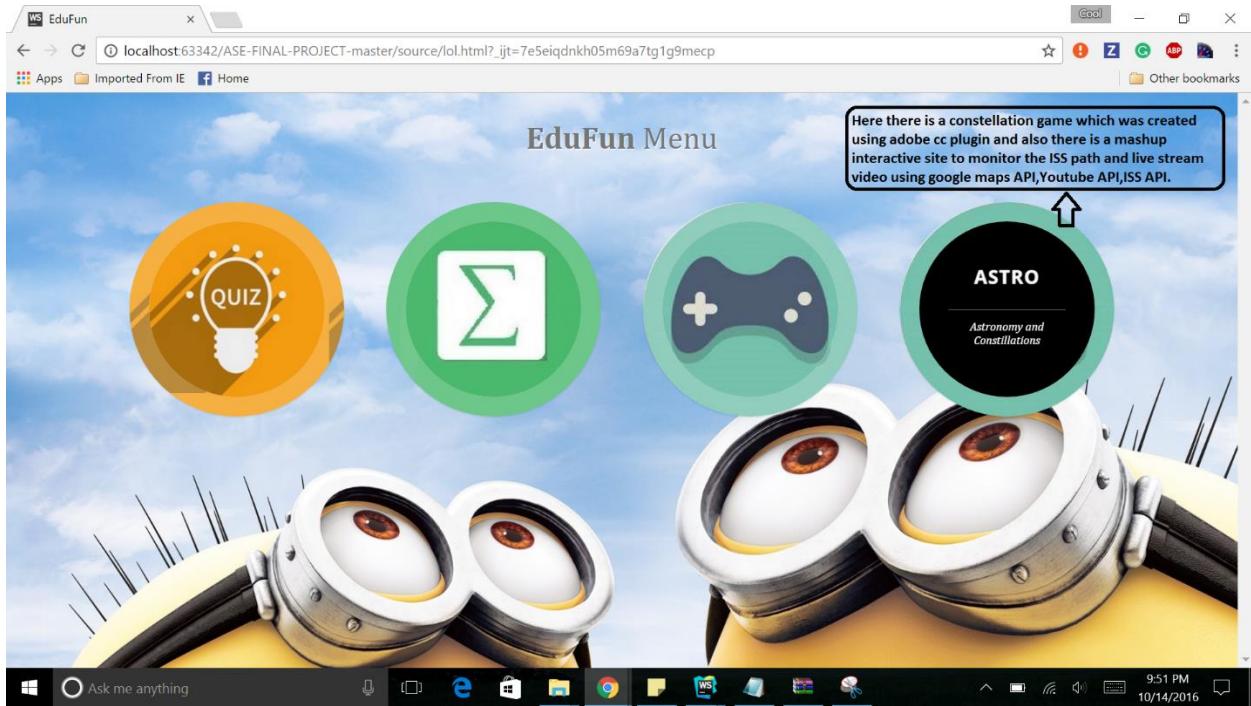
Login Page

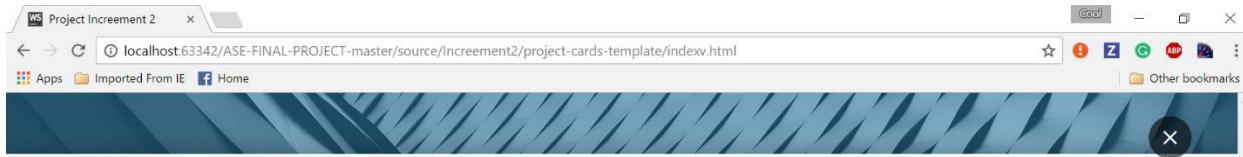












Force of Attraction between Bodies

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This is a Physics quiz and there is description firstly and then quiz is generated for the user to take it!!



objects are electrically neutral, which means they have an equal amount of electrons, which carry a negative charge, and protons, which carry a positive charge. But sometimes, objects can lose electrons and be positively charged, or gain electrons and become negatively charged. The attraction occurs when two objects of opposite charge are in close proximity, and the electrical force causes these objects to attract. Therefore, positive and negative charges will attract each other. Hence the saying 'Opposites attract.' The third force that may cause attraction is the magnetic force. The magnetic force attracts objects that have magnetic properties. A magnet will attract metals rich in iron, like steel, as well as nickel and cobalt. But when an object is magnetized, the magnetic force is attractive when a north magnetic pole is brought into close proximity to a south magnetic force. The main source of magnetism is electric currents. When charges move, there is an electric current. So charges that don't move are affected by the electric force and charges that move are affected by the magnetic force. Magnetic attraction can also be the reason behind the saying 'Opposites attract.'

Take a Quiz

When the user clicks on this button the user gets redirected to the quiz interaction page!!



localhost:63342/ASE-FIN

Question 1 of 4

Which one of the following forces is purely attractive?

This is the choice from where user can select

Gravitational force
Electrostatic force
Magnetic force

When user clicks on this button user either goes to next question or gets the final score.

Submit Answer

When the user presses this button the user goes back!!

EXIT

TIME REMAINING: 40

This is a timer where when the time is over the user will be redirected out of page

Ask me anything

9:52 PM
10/14/2016

localhost:63342/ASE-FIN

Question 4 of 4

Who Observed Gravity first?

Einstein
Stephen
Newton

Using these radio buttons the user can decide what option to choose for the given question.

Submit Answer

EXIT

TIME REMAINING: 13

Ask me anything

9:52 PM
10/14/2016

localhost:63342/ASE-FIN

localhost:63342/ASE-FINAL-PROJECT-master/source/Increement2/quiz.html?_jtt=v6aepspr353m91o406d5ch86up

Feedback

Who Observed Gravity first?

Einstein

Stephen

Newton

Submit Answer

The timer freezes here as the quiz is completed!!

3 → This segment shows the no of correct answers the user marked for all the questions given!!

EXIT

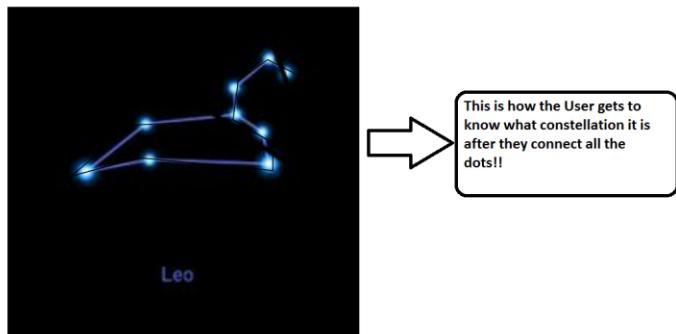
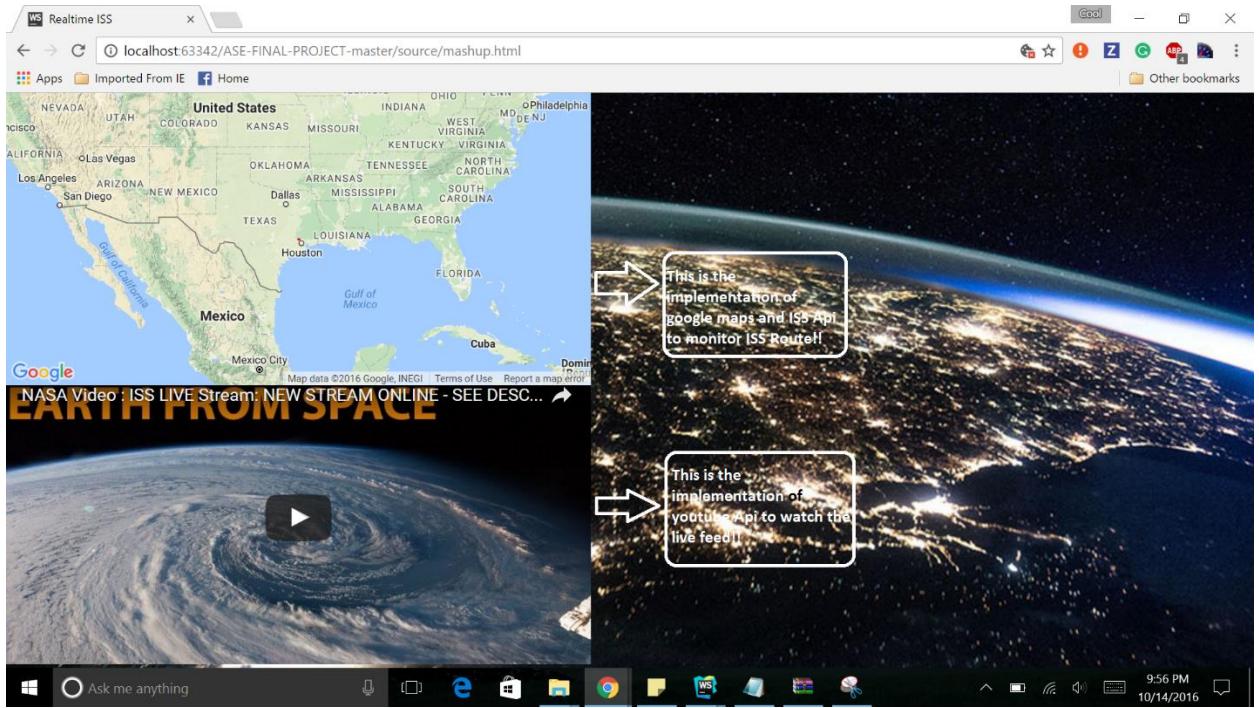
TIME REMAINING: 10

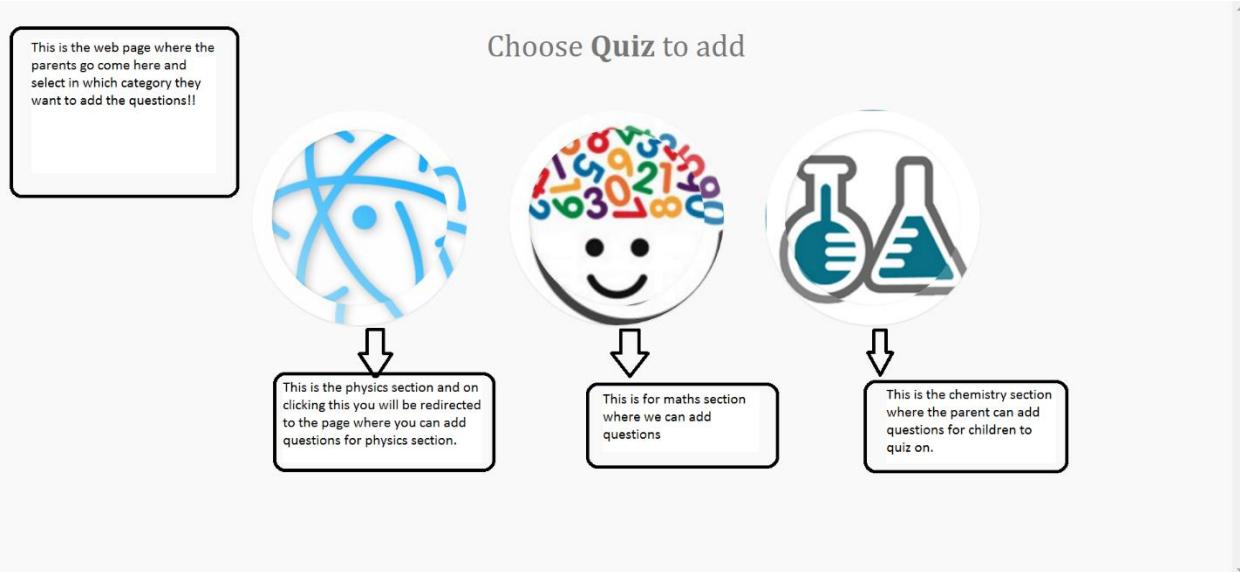
Title

localhost:63342/ASE-FINAL-PROJECT-master/source/game.html

TRY AGAIN

Here if we dont connect the dots correctly then it asks to try again!!





you can add questions in this page and the questions added by the parent here can be updated in child's quiz for him/her to learn on this topic!!

Add Questions!!

Your question*

Your option 1*

Your option 2*

Your option 3*

When this is pressed then it will be redirected out to the home page where the children can quiz on!!



Your question*

This is where the parents add in the question!!

Your option 1*

Your option 2*

Your option 3*

Correct Answer*

This is where the parents adds in the choices for the question specified!!

This is where the correct answer choice is mentioned

Set your Question!



Your question*

Who invented telephone?

Your option 1*

Alexander flemming

Your option 2*

Graham Bell

Your option 3*

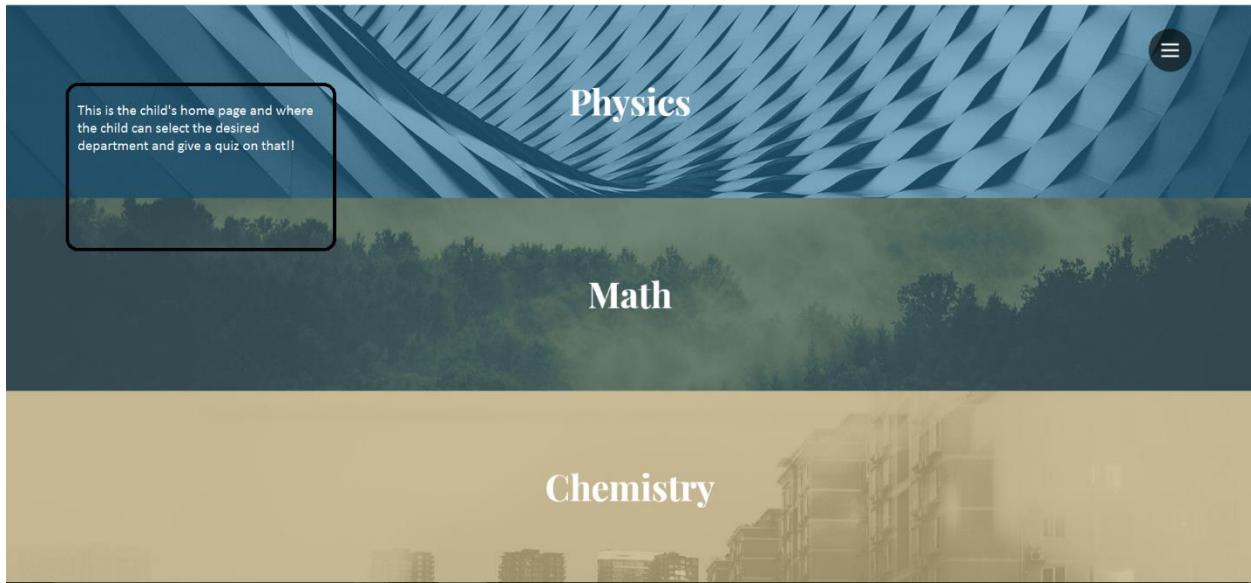
Einstein

This is where the question is added for the physics department and this question will be updated in the child quiz section department and the child can quiz on that!!

Correct Answer*

B

Set your Question!



objects are electrically neutral, which means they have an equal amount of electrons, which carry a negative charge, and protons, which carry a positive charge. But sometimes, objects can lose electrons and be positively charged, or gain electrons and become negatively charged. The attraction occurs when two objects of opposite charge are in close proximity, and the electrical force causes these objects to attract. Therefore, positive and negative charges will attract each other. Hence the saying 'Opposites attract.' The third force that may cause attraction is the magnetic force. The magnetic force attracts objects that have magnetic properties. A magnet will attract metals rich in iron, like steel, as well as nickel and cobalt. But when an object is magnetized, the magnetic force is attractive when a north magnetic pole is brought into close proximity to a south magnetic force. The main source of magnetism is electric currents. When charges move, there is an electric current. So charges that don't move are affected by the electric force and charges that move are affected by the magnetic force. Magnetic attraction can also be the reason behind the saying 'Opposites attract.'



Take a Quiz

By pressing this button the
child can give the quiz on
updated questions!!

Question 1 of 4

Who invented telephone?

- Alexander flemming
- Graham Bell
- Einstein

[Submit Answer](#)

This is the question that is added by the parent before and it got updated on the child's so that he/she can give quiz on what the parent selects as the question!!

[EXIT](#)

TIME REMAINING:

39

Your question*

What is 4-3

This is for Maths section!!

Your option 1*

1

Your option 2*

12

Your option 3*

13

Correct Answer*

A

[Set your Question!](#)

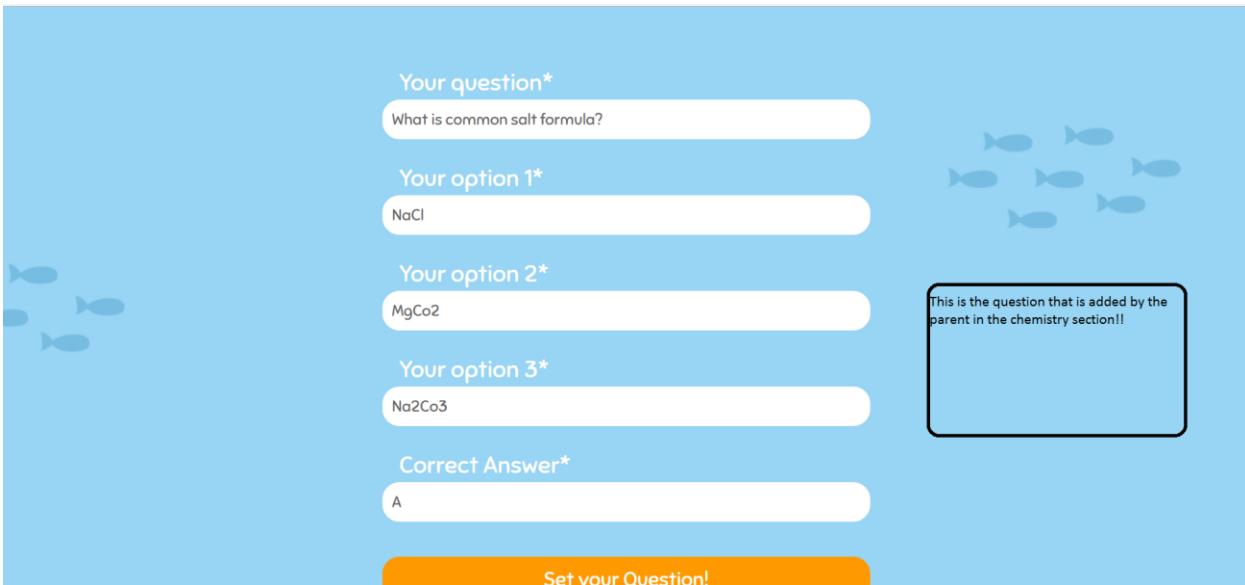
Your question*
What is common salt formula?

Your option 1*
NaCl

Your option 2*
MgCo2

Your option 3*
Na2Co3

Correct Answer*
A



This is the question that is added by the parent in the chemistry section!!

Set your Question!

Question 1 of 4

What is 4-3

1
 12
 13

This is the updated question set by the parent in maths section for child's maths quiz section!!

Submit Answer

EXIT

TIME REMAINING:
34

Question 1 of 4

What is common salt formula?

-
-
-

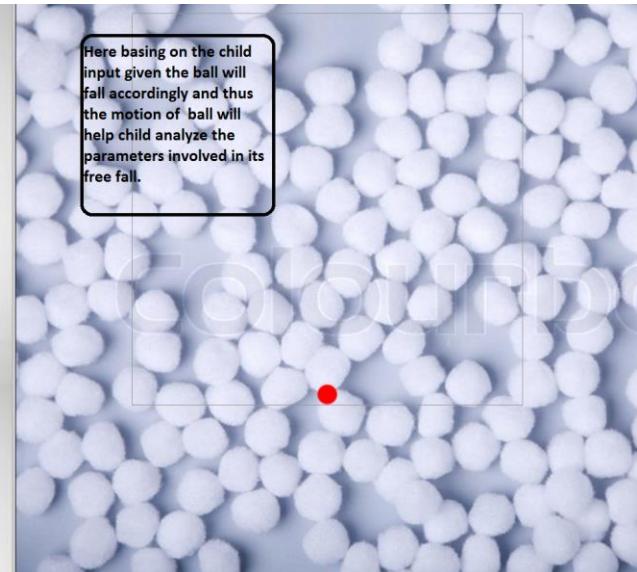
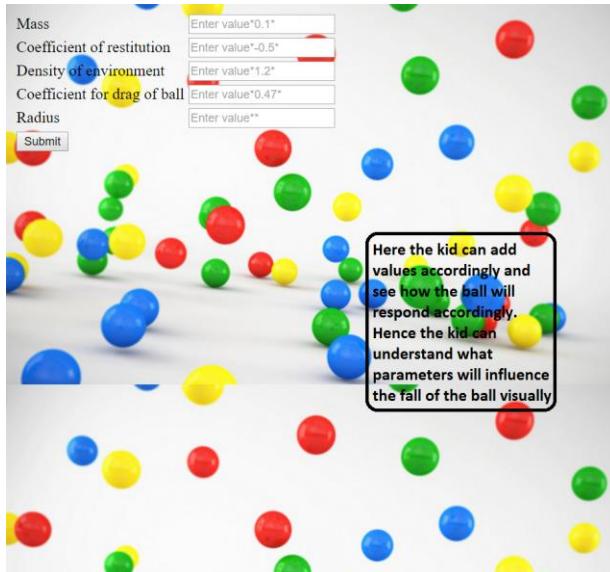
[Submit Answer](#)

This is the question that is updated after adding this question by the parent and then this is shown in child's quiz!!

[EXIT](#)

TIME REMAINING:

40





6. Testing

6.1 Unit Testing

S.NO	Test case Title	Description	Expected Outcome	Result
1	Successful User Verification	The user logs in using correct credentials (correct login name and password)	The user credentials must be verified correctly.	Success
2	Unsuccessful User (Invalid Authentication)	Wrong credentials Given so invalid login.	If invalid details given, then authentication must fail.	Success
3	Successful User Login	Given the correct credentials user should be redirected to home page.	If the valid details are given, then authentication is a success and it must be redirected to home page.	Success
4	New user should register	If the user is new, then he should be redirected to register page and get registered.	For a new user a registration page will be displayed and they can add details to be registered.	Success
5	Invalid Email	Email validation must be checked if invalid then it must be return check credentials.	If invalid email is given, then an alert box pops up showing check credentials.	Success
6	Field details required	Every field detail is compulsory nothing must be left empty.	If all the field details are given, then the activity continues if not an alert box pops up saying check credentials.	Success

7	Facebook Login Validation	Facebook validation is checked here.	If Facebook login is valid then it should be redirected to the home page otherwise an alert box pops up showing login failed.	Success
8	Log out Validation	The page must be redirected to the startup page when log out button is pressed.	If the user wants to log out, then by clicking the log out button they will be redirected to startup page.	Success
9	Element Animation 1	Checking for element animation.	If the mouse is hovered upon the elements, then all the elements get scattered and move accordingly to the mouse co-ordinates.	Success
10	Element Animation 2	Checking for element animation.	When the mouse is moved away from the canvas element, then all the elements restore to their normal positions.	Success
11	Constellation game	In Constellation game if the dots are connected correctly	They should all form a constellation and tell what constellation it is	Success
12	Constellation game	In Constellation game if the dots are not connected correctly	They should all form a constellation and tell what constellation it is	Fail
13	ISS Interactive Media	In ISS interactive media during day light satellite image is shown	Satellite image has to be shown and its route is also shown clearly during daylight	Success
14	ISS Interactive Media	In ISS interactive media during night satellite image is not shown	Satellite image has to be shown and its route is also shown clearly during daylight	Fail

15	Quiz Interactive game	In quiz if time expires then the test must be stopped and gets redirected to the home page	Home page must not be present after an alert box pops up.	Fail
16	Quiz Interactive game	If the time expires and user is still taking test	Home page must be present after the alert box pops up	Success
17	Quiz Interactive game	After all the questions are answered the no of correct questions answered must be shown on the screen	Correct questions count must be displayed after the test is completed	Success
18	Quiz Interactive game	After the exit button is pressed and then it must retrace its path back using the history	Previously opened page must be displayed after this button is pressed	Success

For Increment 3:

Register (MongoDB)	After Clicking Register, Details Should enter in Mongo DB	It should open login page.	Pass
Login (MongoDB)	Details of user is first verified in the MongoDB database and proceed.	It will be verifying with the Unique id and enters to home page	Pass
Parent login	After clicking on parent login, it should redirect to parent login page	Parent login page need to be opened	Pass

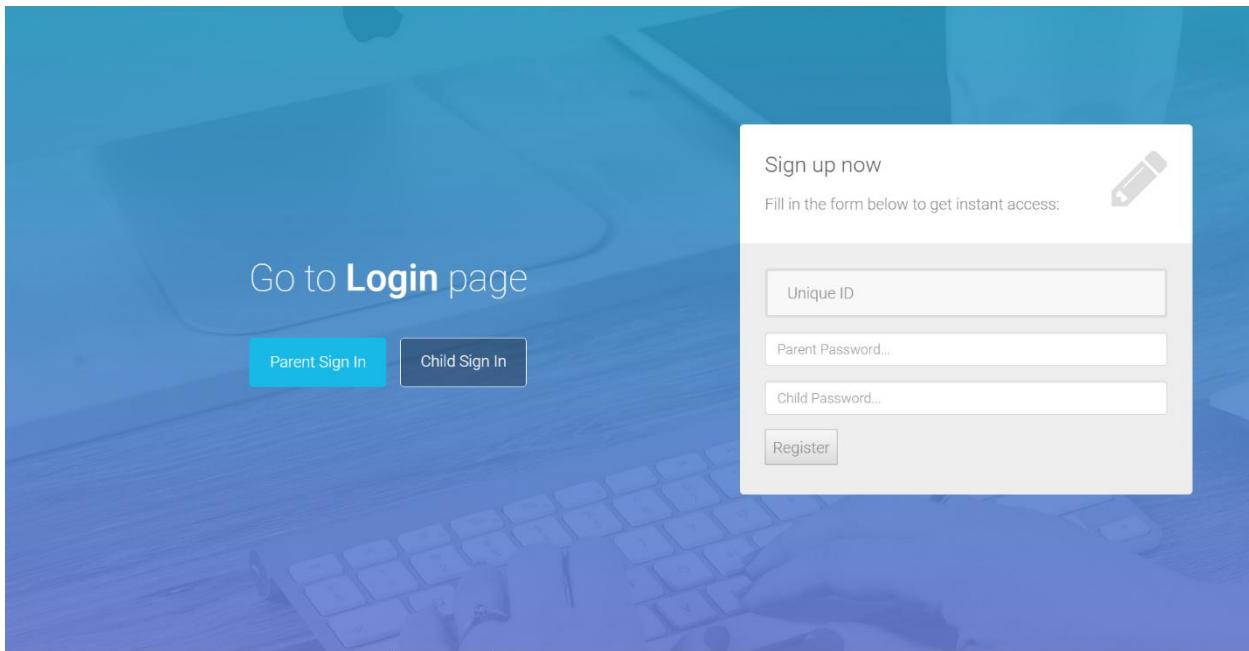
Child Login	After clicking on child login, the user should redirect to the Child Login page	Child Login Page should be opened	Pass
Quiz Questions	Questions can be added to any topic (Physics, Chemistry, Math's)	Questions to be displayed in their respective topic page	Pass
Ball Simulator	Values can be varied in different categories (Mass, Density, Medium, etc.,)	It will open the ball page and move as per given values	Pass

For increment 4:

1.	Learn to speak	Single letter need to be pronounced	When the mouse pointed on it then it will pronounce	success
2.	Learn to speak	Words need to be pronounced.	Words are pronounced according to the spelling given by user.	Success
3.	Constellation	Dots need to be connected as per the numbers.	Dots are connected and the shape needs to be retained.	Success
4.	Constellation	Dots need to be connected in serial manner if not error should come	If they are not connected in ascending order then it shows try again.	Success
5.	Score Review	It need to show the score of Quiz in the graphical content	It shows the score with correct and wrong in pie charts	Success
6.	Score Review	It need to show three subjects quiz according to score.	It will be showing according to the score in each part.	Success

6.2. Performance testing:

The performance test has been implemented using Yslow Analyser, it will issue the grades according to the code Quality. These has been tested for all HTML files:



A screenshot of the Yslow Analyser results for a "Parent Login" page. The page title is "Parent Login" and the URL is "chrome-extension://ninejjcohidippngpapiilmkgilmakh/yslow.html#1". The main content area shows a grade of "Grade A" with an overall performance score of 95. It lists 15 components under the "Grade C" section for "Make fewer HTTP requests". The first item in this list is "Avoid empty src or href". The results show that the page has 7 external Javascript scripts and 5 external stylesheets, both of which are recommended to be combined into one. The results also mention that combining files, combining multiple scripts into one script, and combining multiple CSS files into one style sheet can help reduce component count. There are "Read More" links for each of these recommendations. The top right of the results page shows "Sign In" and "Enter Details to login" fields, along with social sharing buttons for Twitter and Facebook.

The screenshot shows a web browser window with a blue header bar. The main content area has a light blue background with a circular watermark. At the top center, there is a white modal window titled "Sign In" with the sub-instruction "Enter Details to login". Below this, a yellow bar contains the word "User". The main content area features a large green title "Child Login". Below the title, a URL bar shows "chrome-extension://ninejcohidippngpapihnmkglmakh/yslow.html#1". A navigation menu at the top includes "Home", "Grade", "Components", and "Statistics". The "Grade" section is highlighted with a green background and displays a grade of "Grade A" with an overall performance score of 95. It indicates that the ruleset applied is "Small Site or Blog" and provides the URL "http://localhost:63342/try/login2.html". Below this, a "FILTER BY" dropdown is set to "ALL (15)" and includes options for "CONTENT (5)", "CSS (5)", "IMAGES (2)", "JAVASCRIPT (3)", and "SERVER (2)". There are "Tweet" and "Share" buttons on the right. The main content area is divided into sections: "Grade C on Make fewer HTTP requests" (highlighted in green) and "Grade D on Make fewer HTTP requests" (highlighted in orange). Both sections provide tips and links to "Read More".

This screenshot shows a similar web browser setup to the first one. The main content area has a light blue background with a circular watermark. At the top center, there is a white modal window titled "Sign up now" with the sub-instruction "Fill in the form below to get instant access:". To the right of the modal is a pencil icon. Below the modal, a yellow bar contains the word "Unique ID". The main content area features a large green title "Go to Login page". Below the title, a URL bar shows "chrome-extension://ninejcohidippngpapihnmkglmakh/yslow.html#1". A navigation menu at the top includes "Home", "Grade", "Components", and "Statistics". The "Grade" section is highlighted with a green background and displays a grade of "Grade A" with an overall performance score of 94. It indicates that the ruleset applied is "Small Site or Blog" and provides the URL "http://localhost:63342/try/register.html". Below this, a "FILTER BY" dropdown is set to "ALL (15)" and includes options for "CONTENT (5)", "CSS (5)", "IMAGES (2)", "JAVASCRIPT (3)", and "SERVER (2)". There are "Tweet" and "Share" buttons on the right. The main content area is divided into sections: "Grade D on Make fewer HTTP requests" (highlighted in orange) and "Grade C on Make fewer HTTP requests" (highlighted in green). Both sections provide tips and links to "Read More".

Physics

chrome-extension://ninejcohidippngpapilnmkgilmakh/yslow.html#1446

Home Grade Components Statistics | Rulesets Small Site or Blog ▾ Edit Help ↴

Grade A Overall performance score 95 Ruleset applied: Small Site or Blog URL: http://localhost:63342/Increment2/project-cards-template/index.html?...

ALL (15) FILTER BY: CONTENT (5) | CSS (5) | IMAGES (2) | JAVASCRIPT (3) | SERVER (2)

A Make fewer HTTP requests

- A Avoid empty src or href**
- C Compress components with gzip**
- A Put CSS at top**
- A Put JavaScript at bottom**
- A Avoid CSS expressions**
- A Reduce DNS lookups**

Grade A on Make fewer HTTP requests

This page has 3 external stylesheets. Try combining them into one.

Decreasing the number of components on a page reduces the number of HTTP requests required to render the page, resulting in faster page loads. Some ways to reduce the number of components include: combine files, combine multiple scripts into one script, combine multiple CSS files into one style sheet, and use CSS Sprites and image maps.

[»Read More](#)

Tweet Share

Project Increment 2

localhost:63342/Increment2/project-cards-template/index.html?_jt=a746b5rerbm76nkdl9n8t5g08g

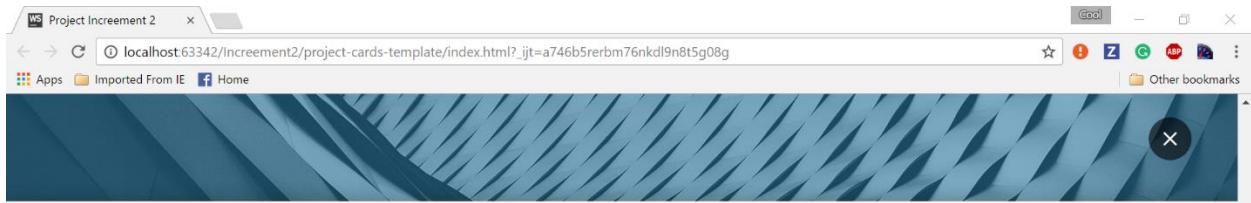
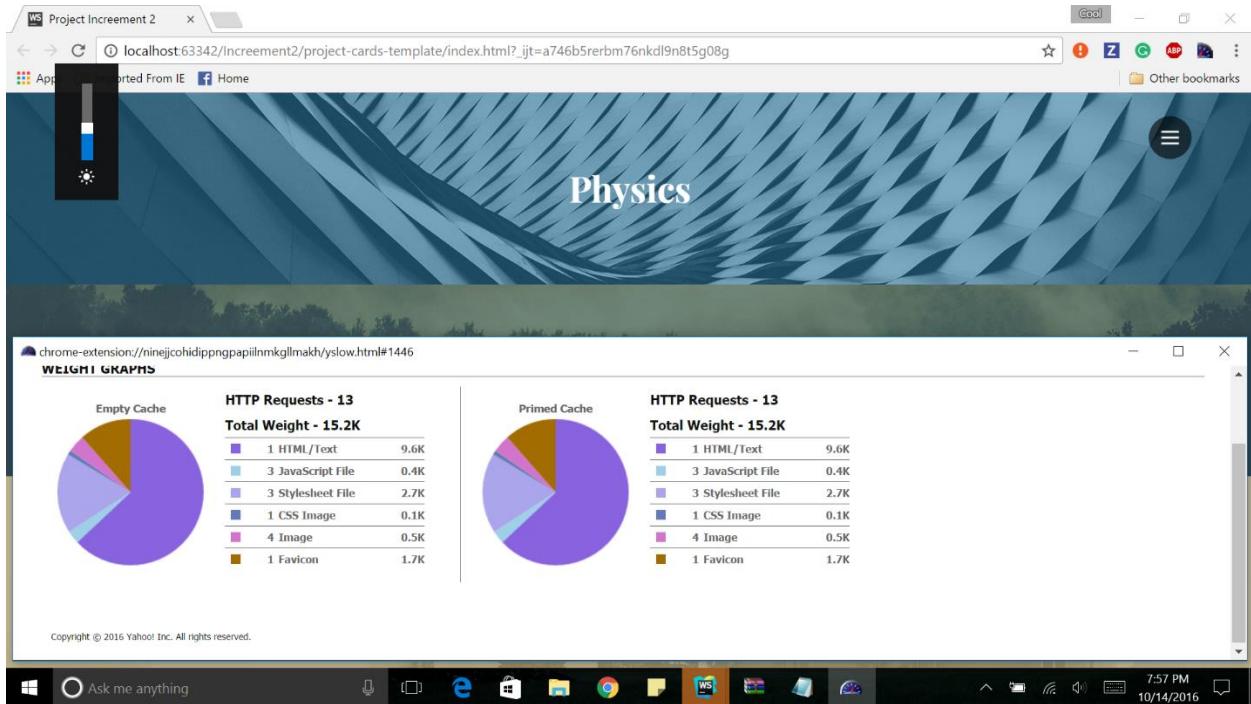
Apps Imported From IE Home Other bookmarks

chrome-extension://ninejcohidippngpapilnmkgilmakh/yslow.html#1446

TYPE	SIZE (KB)	GZIP (KB)	COOKIE RECEIVED (bytes)	COOKIE SENT (bytes)	HEADERS	URL	EXPIRES (Y/M/D)	RESPONSE TIME (ms)	ETAG	ACTION
doc (1)	9.6K									
js (3)	0.4K									
css (3)	2.7K									
cssimage (1)	0.1K									
image (4)	0.5K									
favicon (1)	1.7K									

* type column indicates the component is loaded after window onload event
† denotes 1x1 pixels image that may be image beacon

Ask me anything 7:57 PM 10/14/2016



Force of Attraction between Bodies

chrome-extension://ninejcohidipngpapilnmkgilmakh/yslow.html#1446

Home Grade Components Statistics | Rulesets Small Site or Blog Edit Help

Grade A Overall performance score 96 Ruleset applied: Small Site or Blog URL: http://localhost:63342/Increement2/project-cards-template/index.html...

ALL (15) FILTER BY: CONTENT (5) | CSS (5) | IMAGES (2) | JAVASCRIPT (3) | SERVER (2) [Tweet](#) [Share](#)

A Make fewer HTTP requests

- A Avoid empty src or href**
- B Compress components with gzip**
- A Put CSS at top**
- A Put JavaScript at bottom**
- A Avoid CSS expressions**
- A Reduce DNS lookups**

Grade A on Make fewer HTTP requests

This page has 3 external stylesheets. Try combining them into one.

Decreasing the number of components on a page reduces the number of HTTP requests required to render the page, resulting in faster page loads. Some ways to reduce the number of components include: combine files, combine multiple scripts into one script, combine multiple CSS files into one style sheet, and use CSS Sprites and image maps.

[»Read More](#)



Force of Attraction between Bodies

chrome-extension://ninejcohidippngpapilnmkgllmakh/yslow.html#1446

A Make fewer HTTP requests

Grade A on Make fewer HTTP requests

This page has 3 external stylesheets. Try combining them into one.

Decreasing the number of components on a page reduces the number of HTTP requests required to render the page, resulting in faster page loads. Some ways to reduce the number of components include: combine files, combine multiple scripts into one script, combine multiple CSS files into one style sheet, and use CSS Sprites and image maps.

[»Read More](#)

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7:58 PM
10/14/2016



Force of Attraction between Bodies

chrome-extension://ninejcohidippngpapilnmkgllmakh/yslow.html#1446

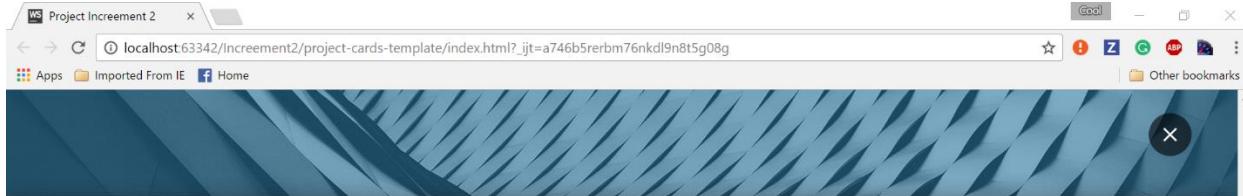
Components The page has a total of 13 components and a total weight of 5.8K bytes

[»Expand All](#)

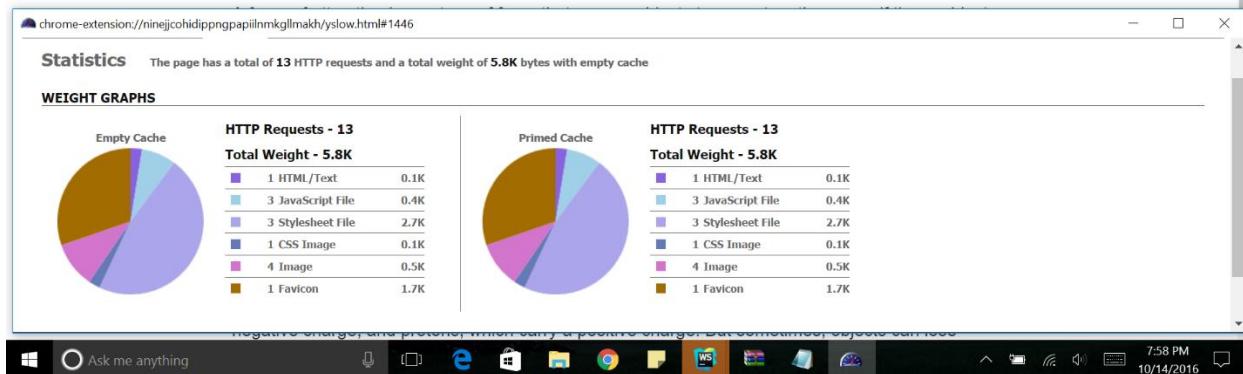
TYPE	SIZE (KB)	GZIP (KB)	COOKIE RECEIVED (bytes)	COOKIE SENT (bytes)	HEADERS	URL	EXPIRES (Y/M/D)	RESPONSE TIME (ms)	ETAG	ACTION
doc (1)	0.1K									
js (3)	0.4K									
css (3)	2.7K									
cssimage (1)	0.1K									
image (4)	0.5K									
favicon (1)	1.7K									

* type column indicates the component is loaded after window.onload event

7:58 PM
10/14/2016



Force of Attraction between Bodies



WS Increment2 - [C:\Users\vbmxh\Desktop\ASE\Increment2] - ...\\project-cards-template\\index.html - WebStorm 2016.2.3

File Edit View Navigate Code Refactor Run Tools VCS Window Help

Increment2 project-cards-template index.html

Project cd-arrow.svg cd-logo.svg gas.gif img-1.jpg img-2.jpg img-3.jpg liquid.gif solid.gif statofmatter.gif js jquery-2.1.4.js

index.html

```

19
20
21 .button {
22     background-color: #4CAF50; /* Green */
23     border: none;
24     color: white;
25     padding: 16px 32px;
26     text-align: center;
27     text-decoration: none;
28     display: inline-block;
29 }
30
31

```

Page 'http://localhost:63342/L...-template/scss/liquid.gif' requested without authorization, you can copy URL and open it in browser to trust it.

chrome-extension://ninejcohidippngpapilnmkgilmakh/yslow.html#1446

Home Grade Components Statistics

Grade A Overall performance score 96 Ruleset applied: Small Site or Blog URL: http://localhost:63342/Increment2/project-cards-template/index.html...

ALL (15) FILTER BY: CONTENT (5) | CSS (5) | IMAGES (2) | JAVASCRIPT (3) | SERVER (2)

A Make fewer HTTP requests

- A Avoid empty src or href**
- B Compress components with gzip**
- A Put CSS at top**
- A Put JavaScript at bottom**
- A Avoid CSS expressions**
- A Reduce DNS lookups**

Grade A on Make fewer HTTP requests

This page has 3 external stylesheets. Try combining them into one.

Decreasing the number of components on a page reduces the number of HTTP requests required to render the page, resulting in faster page loads. Some ways to reduce the number of components include: combine files, combine multiple scripts into one script, combine multiple CSS files into one style sheet, and use CSS Sprites and image maps.

[Read More](#)

Ask me anything 7:59 PM 10/14/2016



Mathematics - Algebra

Algebra (from Arabic "al-jabr" meaning "reunion of broken parts"[1]) is one of the broad parts of

chrome-extension://ninejcohidippngpapilnmkgllmakh/yslow.html#1446

Home Grade Components Statistics | Rulesets Small Site or Blog Edit Help

Grade A Overall performance score 96 Ruleset applied: Small Site or Blog URL: http://localhost:63342/Increement2/project-cards-template/index.html?...

ALL (15) FILTER BY: [CONTENT \(5\)](#) | [CSS \(5\)](#) | [IMAGES \(2\)](#) | [JAVASCRIPT \(3\)](#) | [SERVER \(2\)](#)

A Make fewer HTTP requests

- A Avoid empty src or href**
- B Compress components with gzip**
- A Put CSS at top**
- A Put JavaScript at bottom**
- A Avoid CSS expressions**
- A Reduce DNS lookups**

Grade A on Make fewer HTTP requests

This page has 3 external stylesheets. Try combining them into one.

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[»Read More](#)

Ask me anything 7:59 PM 10/14/2016



Mathematics - Algebra

Algebra (from Arabic "al-jabr" meaning "reunion of broken parts"[1]) is one of the broad parts of

chrome-extension://ninejcohidippngpapilnmkgllmakh/yslow.html#1446

TYPE	SIZE (KB)	GZIP (KB)	COOKIE RECEIVED (bytes)	COOKIE SENT (bytes)	HEADERS	URL	EXPIRES (Y/M/D)	RESPONSE TIME (ms)	ETAG	ACTION
<input type="checkbox"/> doc (1)	0.1K									
<input type="checkbox"/> js (3)	0.4K									
<input type="checkbox"/> css (3)	2.7K									
<input type="checkbox"/> cssimage (1)	0.1K									
<input type="checkbox"/> image (4)	0.5K									
<input type="checkbox"/> favicon (1)	1.7K									

* type column indicates the component is loaded after window onload event
† denotes 1x1 pixels image that may be image beacon

Ask me anything 7:59 PM 10/14/2016

WS Project Increment 2

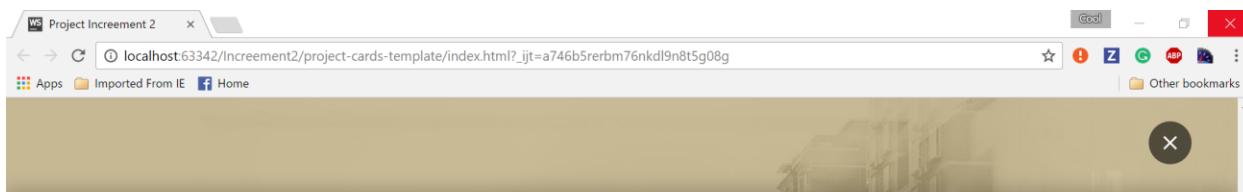
localhost:63342/increment2/project-cards-template/index.html?_jt=a746b5rerbm76nkdl9n8t5g08g

Apps Imported From IE Home Other bookmarks

Type	Weight
1 HTML/Text	0.1K
3 JavaScript File	0.4K
3 Stylesheet File	2.7K
1 CSS Image	0.1K
4 Image	0.5K
1 Favicon	1.7K

Type	Weight
1 HTML/Text	0.1K
3 JavaScript File	0.4K
3 Stylesheet File	2.7K
1 CSS Image	0.1K
4 Image	0.5K
1 Favicon	1.7K

Ask me anything 7:59 PM 10/14/2016



States of Matter

In physics, a state of matter is one of the distinct forms that matter takes on. Four states of matter

chrome-extension://ninejcohidippngpapilnmkgilmakh/yslow.html#1446

Home Grade Components Statistics | Rulesets Small Site or Blog Edit Help

Grade A Overall performance score 96 Ruleset applied: Small Site or Blog URL: http://localhost:63342/increment2/project-cards-template/index.html?...

ALL (15) FILTER BY: CONTENT (5) | CSS (5) | IMAGES (2) | JAVASCRIPT (3) | SERVER (2) [Tweet](#) [Share](#)

A Make fewer HTTP requests

- A Avoid empty src or href**
- B Compress components with gzip**
- A Put CSS at top**
- A Put JavaScript at bottom**
- A Avoid CSS expressions**
- A Reduce DNS lookups**

Grade A on Make fewer HTTP requests

This page has 3 external stylesheets. Try combining them into one.

Decreasing the number of components on a page reduces the number of HTTP requests required to render the page, resulting in faster page loads. Some ways to reduce the number of components include: combine files, combine multiple scripts into one script, combine multiple CSS files into one style sheet, and use CSS Sprites and image maps.

[»Read More](#)

Ask me anything 8:01 PM 10/14/2016

Components The page has a total of **13** components and a total weight of **5.8K** bytes

TYPE	SIZE (KB)	GZIP (KB)	COOKIE RECEIVED (bytes)	COOKIE SENT (bytes)	HEADERS	URL	EXPIRES (Y/M/D)	RESPONSE TIME (ms)	ETAG	ACTION
doc (1)	0.1K									
js (3)	0.4K									
css (3)	2.7K									
cssimage (1)	0.1K									
image (4)	0.5K									
favicon (1)	1.7K									

Statistics The page has a total of **13** HTTP requests and a total weight of **5.8K** bytes with empty cache

WEIGHT GRAPHS

HTTP Requests - 13	
Total Weight - 5.8K	
1 HTML/Text	0.1K
3 JavaScript File	0.4K
3 Stylesheet File	2.7K
1 CSS Image	0.1K
4 Image	0.5K
1 Favicon	1.7K

Statistics The page has a total of **13** HTTP requests and a total weight of **5.8K** bytes with empty cache

WEIGHT GRAPHS

HTTP Requests - 13	
Total Weight - 5.8K	
1 HTML/Text	0.1K
3 JavaScript File	0.4K
3 Stylesheet File	2.7K
1 CSS Image	0.1K
4 Image	0.5K
1 Favicon	1.7K

localhost:63342/Increement2/quiz.html?_jtt=fl5tgr48dv2ooo2v0u8kbe7q35

Question 1 of 4

Which one of the following forces is purely attractive?

Gravitational force

Electrostatic force

chrome-extension://ninejcohidippngpapilnmkgilmakh/yslow.html#1530

Home Grade Components Statistics | Rulesets Small Site or Blog Edit Help

Grade A Overall performance score 99 Ruleset applied: Small Site or Blog URL: http://localhost:63342/Increement2/quiz.html?...

ALL (15) FILTER BY: [CONTENT \(5\)](#) | [CSS \(5\)](#) | [IMAGES \(2\)](#) | [JAVASCRIPT \(3\)](#) | [SERVER \(2\)](#)

A Make fewer HTTP requests

A Avoid empty src or href

A Compress components with gzip

A Put CSS at top

A Put JavaScript at bottom

A Avoid CSS expressions

A Reduce DNS lookups

Grade A on Make fewer HTTP requests

Decreasing the number of components on a page reduces the number of HTTP requests required to render the page, resulting in faster page loads. Some ways to reduce the number of components include: combine files, combine multiple scripts into one script, combine multiple CSS files into one style sheet, and use CSS Sprites and image maps.

[»Read More](#)

Ask me anything 8:03 PM 10/14/2016

localhost:63342/Increement2/quiz.html?_jtt=fl5tgr48dv2ooo2v0u8kbe7q35

Question 1 of 4

Which one of the following forces is purely attractive?

Gravitational force

Electrostatic force

chrome-extension://ninejcohidippngpapilnmkgilmakh/yslow.html#1530

Home Grade Components Statistics | Rulesets Small Site or Blog Edit Help

Components The page has a total of 3 components and a total weight of 2.3K bytes

[»Expand All](#)

TYPE	SIZE (KB)	GZIP (KB)	COOKIE RECEIVED (bytes)	COOKIE SENT (bytes)	HEADERS	URL	EXPIRES (Y/M/D)	RESPONSE TIME (ms)	ETAG	ACTION
doc (1)	0.1K									
css (1)	0.3K									
favicon (1)	1.7K									

* type column indicates the component is loaded after window onload event
† denotes 1x1 pixels image that may be image beacon

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Ask me anything 8:03 PM 10/14/2016

localhost:63342/Increm... x

localhost:63342/Inrement2/quiz.html?_ijt=fl5gr48dv2ooo2v0u8kbe7q35

Apps Imported From IE Home Other bookmarks

Question 1 of 4

Which one of the following forces is purely attractive?

Gravitational force

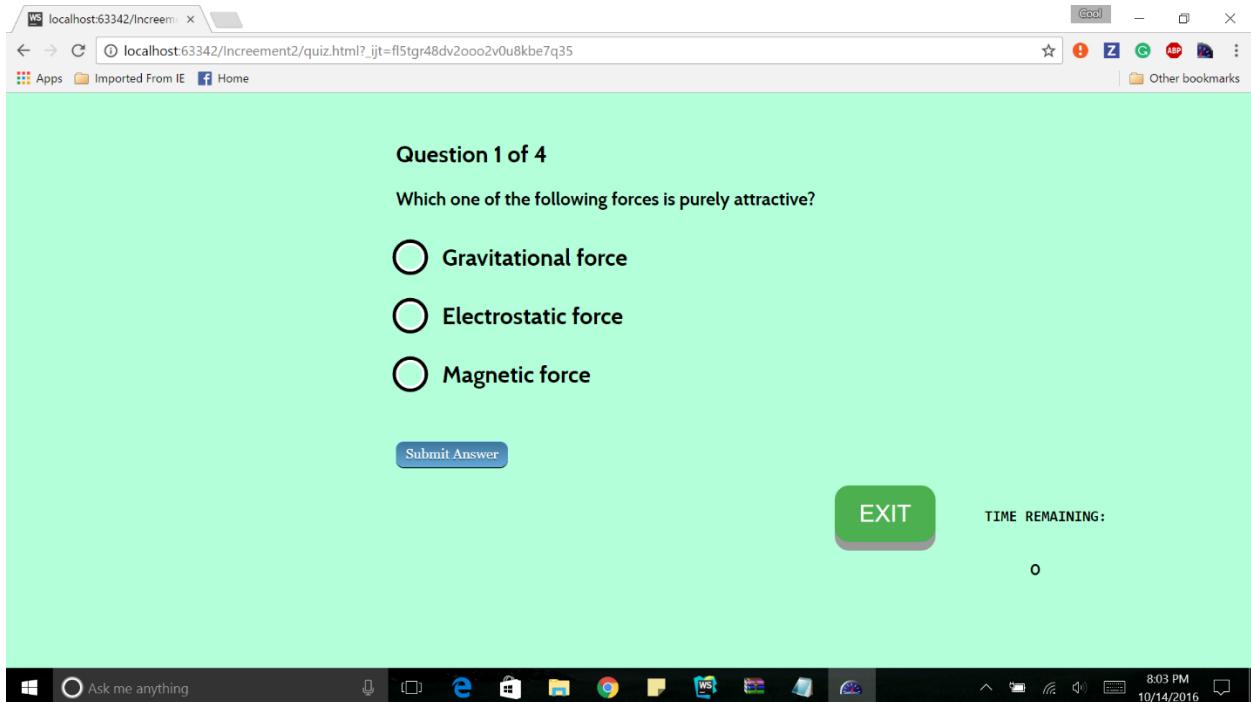
Electrostatic force

Magnetic force

Submit Answer

EXIT

TIME REMAINING: 0



localhost:63342/Increm... x

localhost:63342/Inrement2/quiz.html?_ijt=fl5gr48dv2ooo2v0u8kbe7q35

Apps Imported From IE Home Other bookmarks

Question 1 of 4

Which one of the following forces is purely attractive?

Gravitational force

Electrostatic force

chrome-extension://ninejcohidipppngpapillnmkgilmakh/yslow.html#1530

Statistics The page has a total of 3 HTTP requests and a total weight of 2.3K bytes with empty cache

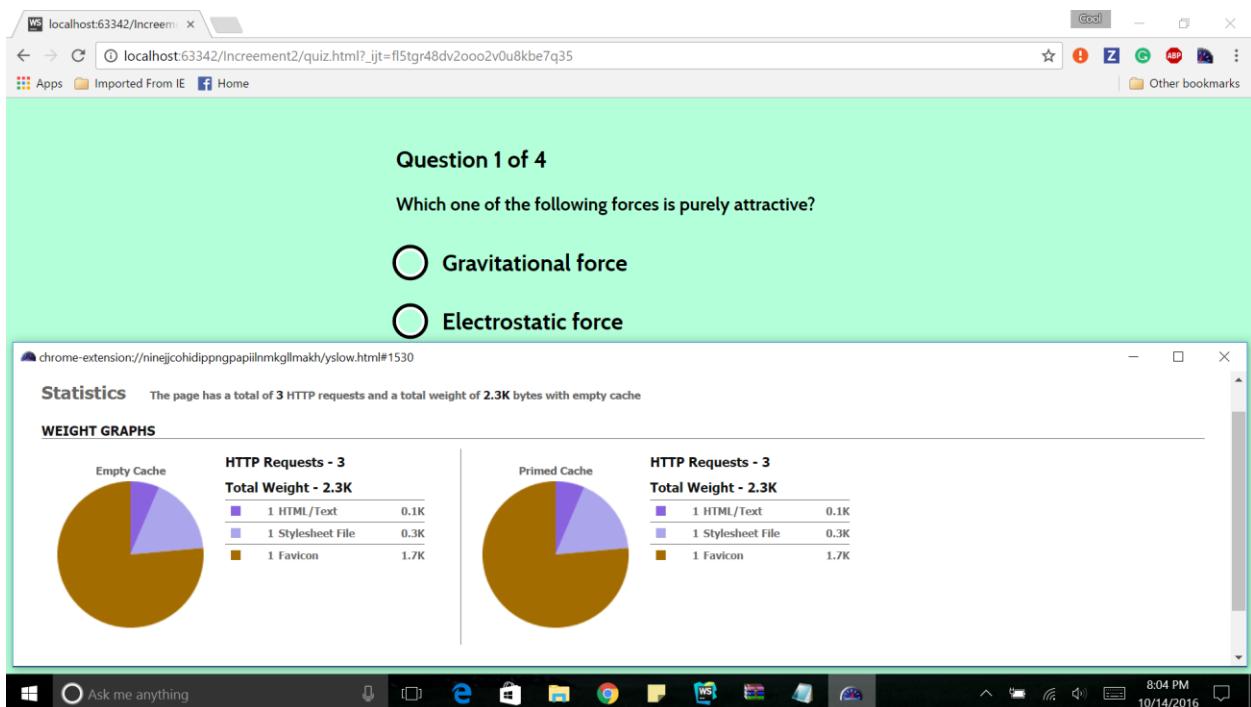
WEIGHT GRAPHS

HTTP Requests - 3
Total Weight - 2.3K

Type	Weight
1 HTML/Text	0.1K
1 Stylesheet File	0.3K
1 Favicon	1.7K

HTTP Requests - 3
Total Weight - 2.3K

Type	Weight
1 HTML/Text	0.1K
1 Stylesheet File	0.3K
1 Favicon	1.7K



EduFun Menu

Grade **A** Overall performance score 96 Ruleset applied: Small Site or Blog URL: http://localhost:63342/ASF-FINAL-PROJECT-master/source/lo.html?...

ALL (15) FILTER BY: [CONTENT \(5\)](#) | [CSS \(5\)](#) | [IMAGES \(2\)](#) | [JAVASCRIPT \(3\)](#) | [SERVER \(2\)](#)

B Make fewer HTTP requests

- A Avoid empty src or href**
- A Compress components with gzip**
- A Put CSS at top**
- A Put JavaScript at bottom**
- A Avoid CSS expressions**
- A Reduce DNS lookups**

This page has 5 external stylesheets. Try combining them into one.
This page has 7 external background images. Try combining them with CSS sprites.

Decreasing the number of components on a page reduces the number of HTTP requests required to render the page, resulting in faster page loads. Some ways to reduce the number of components include: combine files, combine multiple scripts into one script, combine multiple CSS files into one style sheet, and use CSS Sprites and image maps.

[»Read More](#)

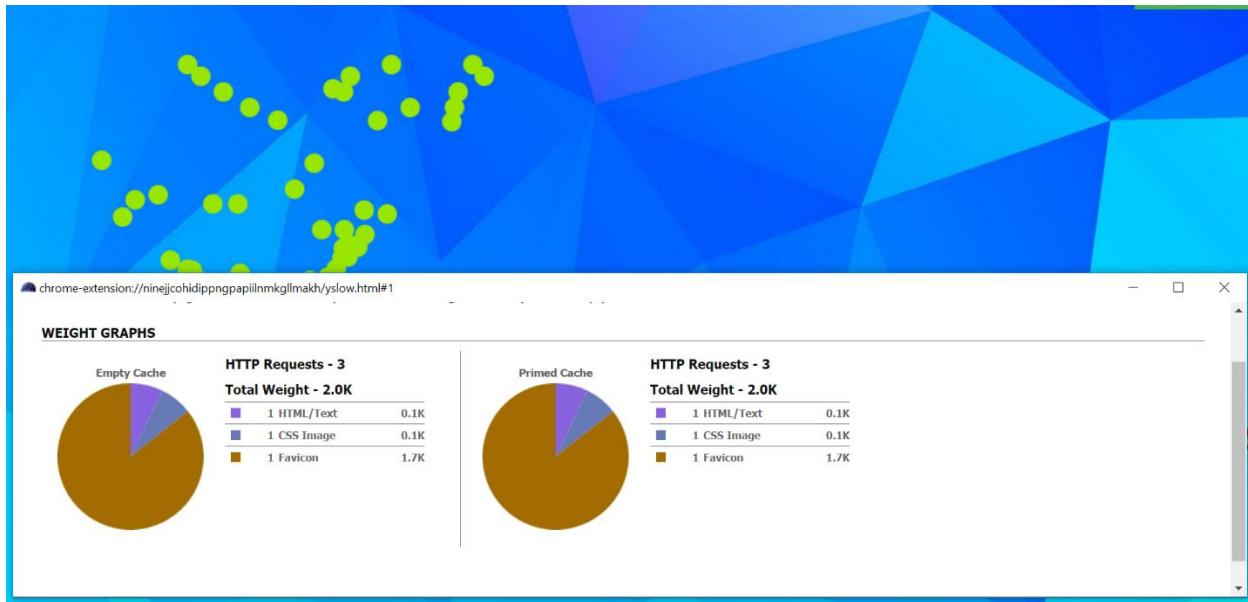
EduFun Menu

Components The page has a total of **15** components and a total weight of **8.2K bytes**

[»Expand All](#)

TYPE	SIZE (KB)	GZIP (KB)	COOKIE RECEIVED (bytes)	COOKIE SENT (bytes)	HEADERS	URL	EXPIRES (Y/M/D)	RESPONSE TIME (ms)	ETAG	ACTION
doc (1)	0.1K									
js (1)	0.1K									
css (5)	5.1K									
cssimage (?)	1.0K									
favicon (1)	1.7K									

* type column indicates the component is loaded after window onload event
† denotes 1x1 pixels image that may be image beacon



EduFun Menu

chrome-extension://ninejjcohidippngpapiilmkgilmakh/yslow.html#1

Home Grade Components Statistics |

Grade A Overall performance score 97 Ruleset applied: Small Site or Blog URL: http://localhost:63342/ASE-FINAL-PROJECT-master/source/Astro.html

ALL (15) FILTER BY: CONTENT (5) | CSS (5) | IMAGES (2) | JAVASCRIPT (3) | SERVER (2)

B Make fewer HTTP requests

- A Avoid empty src or href
- A Compress components with gzip
- A Put CSS at top
- A Put JavaScript at bottom
- A Avoid CSS expressions
- A Reduce DNS lookups

This page has 5 external stylesheets. Try combining them into one.

Decreasing the number of components on a page reduces the number of HTTP requests required to render the page, resulting in faster page loads. Some ways to reduce the number of components include: combine files, combine multiple scripts into one script, combine multiple CSS files into one style sheet, and use CSS Sprites and image maps.

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[Tweet](#) [Share](#)

EduFun Menu

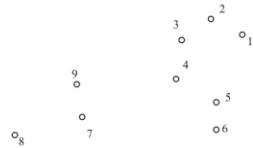
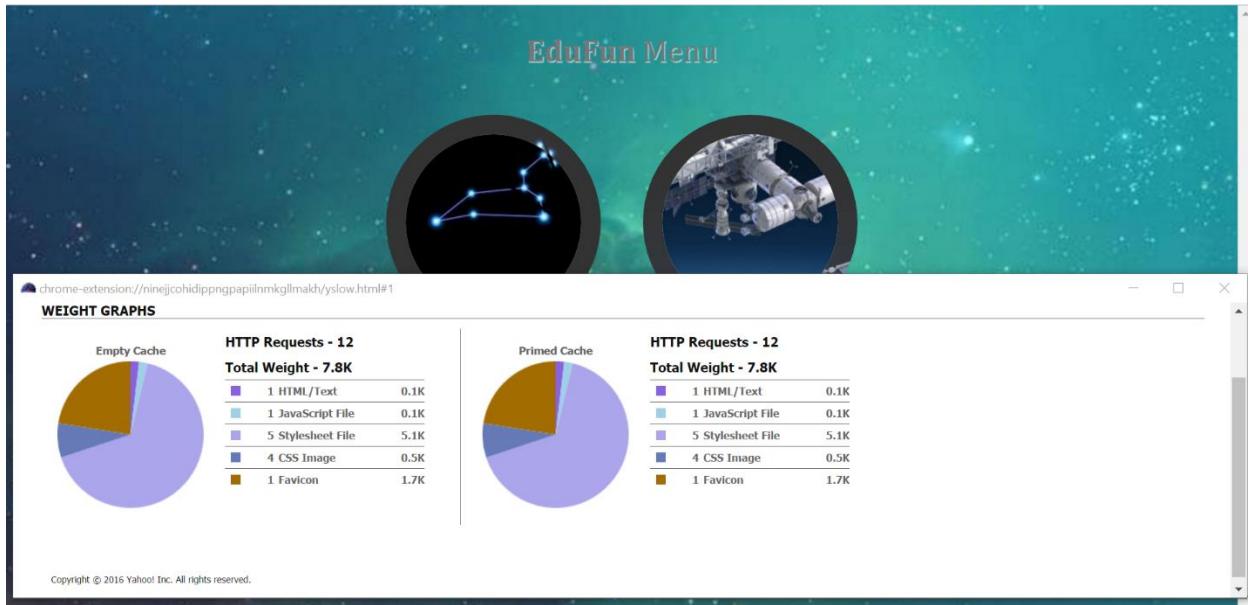
chrome-extension://ninejjcohidippngpapiilmkgilmakh/yslow.html#1

Home Grade Components Statistics |

Components The page has a total of 12 components and a total weight of 7.8K bytes

[»Expand All](#)

TYPE	SIZE (KB)	GZIP (KB)	COOKIE RECEIVED (bytes)	COOKIE SENT (bytes)	HEADERS	URL	EXPIRES (Y/M/D)	RESPONSE TIME (ms)	ETAG	ACTION
doc (1)	0.1K									
js (1)	0.1K									
css (5)	5.1K									
cssimage (4)	0.5K									
favicon (1)	1.7K									



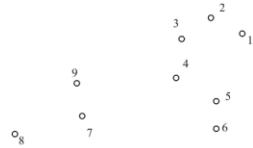
Grade A Overall performance score 100 Ruleset applied: Small Site or Blog URL: http://localhost:63342/ASE-FINAL-PROJECT-master/source/game.html

ALL (15) FILTER BY: [CONTENT \(5\)](#) | [CSS \(5\)](#) | [IMAGES \(2\)](#) | [JAVASCRIPT \(3\)](#) | [SERVER \(2\)](#)

Grade A on Make fewer HTTP requests

Decreasing the number of components on a page reduces the number of HTTP requests required to render the page, resulting in faster page loads. Some ways to reduce the number of components include: combine files, combine multiple scripts into one script, combine multiple CSS files into one style sheet, and use CSS Sprites and image maps.

[»Read More](#)



chrome-extension://ninejcohidippngpapilnmkgilmakh/yslow.html#1

Home Grade Components Statistics | Rulesets Small Site or Blog ▾ Edit | ? Help ▾

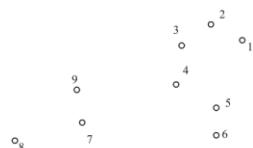
Components The page has a total of 3 components and a total weight of 2.0K bytes

Expand All

TYPE	SIZE (KB)	GZIP (KB)	COOKIE RECEIVED (bytes)	COOKIE SENT (bytes)	HEADERS	URL	EXPIRES (Y/M/D)	RESPONSE TIME (ms)	ETAG	ACTION
doc (1)	0.1K									
flash (1)	0.1K									
favicon (1)	1.7K									

* type column indicates the component is loaded after window onload event
† denotes 1x1 pixels image that may be image beacon

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chrome-extension://ninejcohidippngpapilnmkgilmakh/yslow.html#1

WEIGHT GRAPHS

HTTP Requests - 3
Total Weight - 2.0K

1 HTML/Text	0.1K
1 Flash Object	0.1K
1 Favicon	1.7K

Empty Cache

HTTP Requests - 3
Total Weight - 2.0K

1 HTML/Text	0.1K
1 Flash Object	0.1K
1 Favicon	1.7K

Primed Cache

chrome-extension://ninejcohidippngpapiilmkgilmakh/yslow.html#1

Home Grade Components Statistics | Rulesets Small Site or Blog Edit | Help

Grade A Overall performance score 91 Ruleset applied: Small Site or Blog URL: http://localhost:63342/ASE-FINAL-PROJECT-master/source/mashup.html

ALL (15) FILTER BY: CONTENT (5) | CSS (5) | IMAGES (2) | JAVASCRIPT (3) | SERVER (2)

F Make fewer HTTP requests

Avoid empty src or href
Compress components with gzip
Put CSS at top
Put JavaScript at bottom
Avoid CSS expressions
Reduce DNS lookups

Grade F on Make fewer HTTP requests

This page has 17 external Javascript scripts. Try combining them into one.

Decreasing the number of components on a page reduces the number of HTTP requests required to render the page, resulting in faster page loads. Some ways to reduce the number of components include: combine files, combine multiple scripts into one script, combine multiple CSS files into one style sheet, and use CSS Sprites and image maps.

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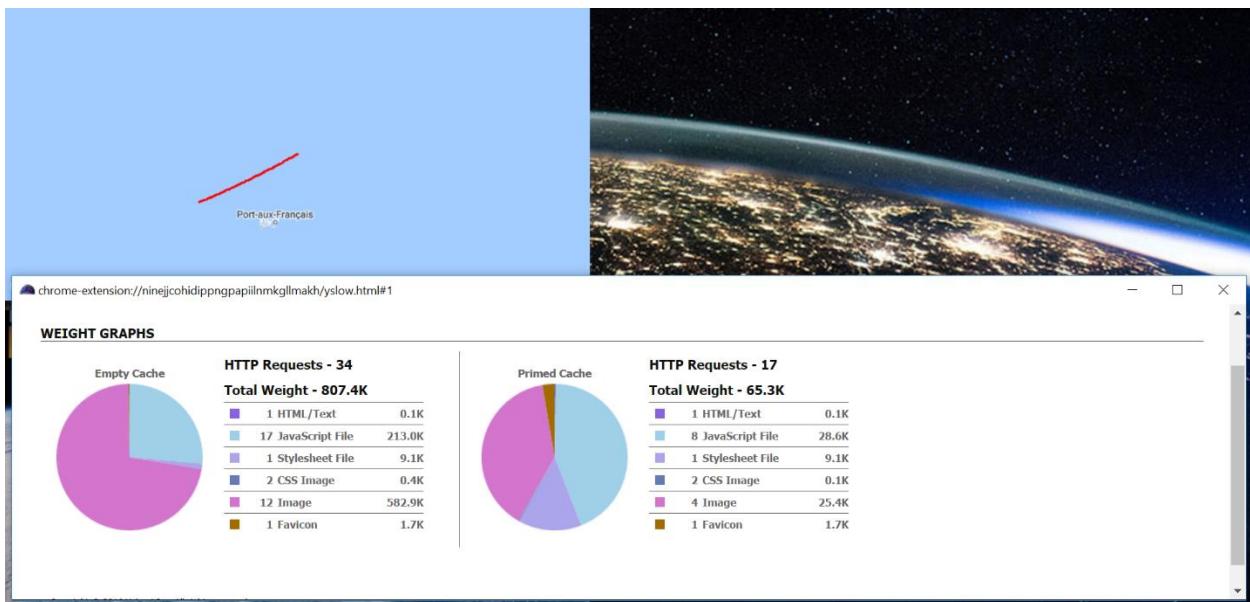
chrome-extension://ninejcohidippngpapiilmkgilmakh/yslow.html#1

Home Grade Components Statistics | Rulesets Small Site or Blog Edit | Help

Components The page has a total of 34 components and a total weight of 807.4K bytes

[»Expand All](#)

Type	Size (KB)	GZIP (KB)	COOKIE RECEIVED (bytes)	COOKIE SENT (bytes)	HEADERS	URL	EXPIRES (Y/M/D)	RESPONSE TIME (ms)	ETAG	Action
doc (1)	0.1K									
js (17)	624.6K									
css (1)	9.1K									
cssimage (2)	0.4K									
image (12)	582.9K									



The screenshot displays a performance report and a quiz selection interface. At the top, it says 'Choose Quiz to add' with three circular icons: a blue one with a white 'X', a red one with a white brain-like pattern, and a green one with a white flask-like pattern. Below this is a YSlow grade report for 'Increement2/addqueuehome.html?...'. The grade is A. It includes sections for 'Grade A' (overall score 95), 'Grade B' (make fewer HTTP requests), and 'Grade C' (reduce DNS lookups). The 'Grade B' section has a note about combining external stylesheets and a link to 'Read More'.

QUESTIONIST

Your question*

Your option 1*

chrome-extension://ninejcohidippngpapilhmkgllmakh/yslow.html#1

Home Grade Components Statistics | Rulesets Small Site or Blog Edit Help

Grade A Overall performance score 99 Ruleset applied: Small Site or Blog URL: http://localhost:63342/Increement2/queadd5.html

ALL (15) FILTER BY: CONTENT (5) | CSS (5) | IMAGES (2) | JAVASCRIPT (3) | SERVER (2)

A Make fewer HTTP requests

A Avoid empty src or href

A Compress components with gzip

A Put CSS at top

A Put JavaScript at bottom

A Avoid CSS expressions

A Reduce DNS lookups

Grade A on Make fewer HTTP requests

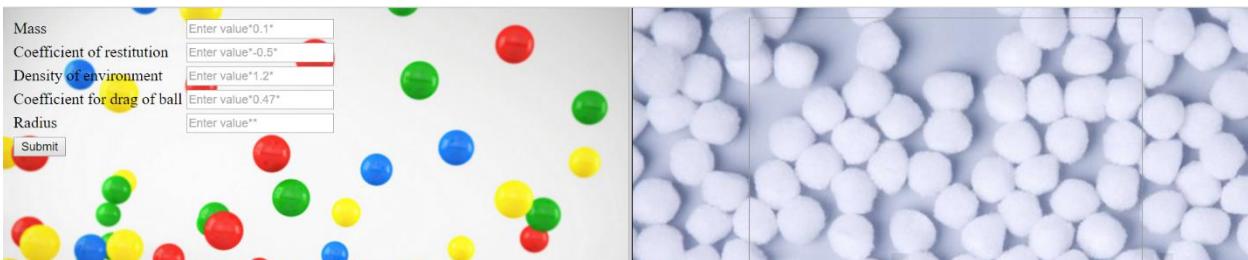
Decreasing the number of components on a page reduces the number of HTTP requests required to render the page, resulting in faster page loads. Some ways to reduce the number of components include: combine files, combine multiple scripts into one script, combine multiple CSS files into one style sheet, and use CSS Sprites and image maps.

>Read More

Mass
Coefficient of restitution
Density of environment
Coefficient for drag of ball
Radius

Enter value*0.1*
Enter value*-0.5*
Enter value*1.2*
Enter value*0.47*
Enter value**

Submit



chrome-extension://ninejcohidippngpapilhmkgllmakh/yslow.html#260

Home Grade Components Statistics | Rulesets Small Site or Blog Edit Help

Grade A Overall performance score 100 Ruleset applied: Small Site or Blog URL: http://localhost:63342/Increement2/ballhome.html?...

ALL (15) FILTER BY: CONTENT (5) | CSS (5) | IMAGES (2) | JAVASCRIPT (3) | SERVER (2)

A Make fewer HTTP requests

A Avoid empty src or href

A Compress components with gzip

A Put CSS at top

A Put JavaScript at bottom

A Avoid CSS expressions

Grade A on Make fewer HTTP requests

Decreasing the number of components on a page reduces the number of HTTP requests required to render the page, resulting in faster page loads. Some ways to reduce the number of components include: combine files, combine multiple scripts into one script, combine multiple CSS files into one style sheet, and use CSS Sprites and image maps.

>Read More

7.Implementation (using WebStorm and Adobe CC):

Server Implementation:

Database:

Here we are using the Mongo Db for the registration details of user for their username, Email-Id and password with the help of API key and enabling it.

8.Deployment:

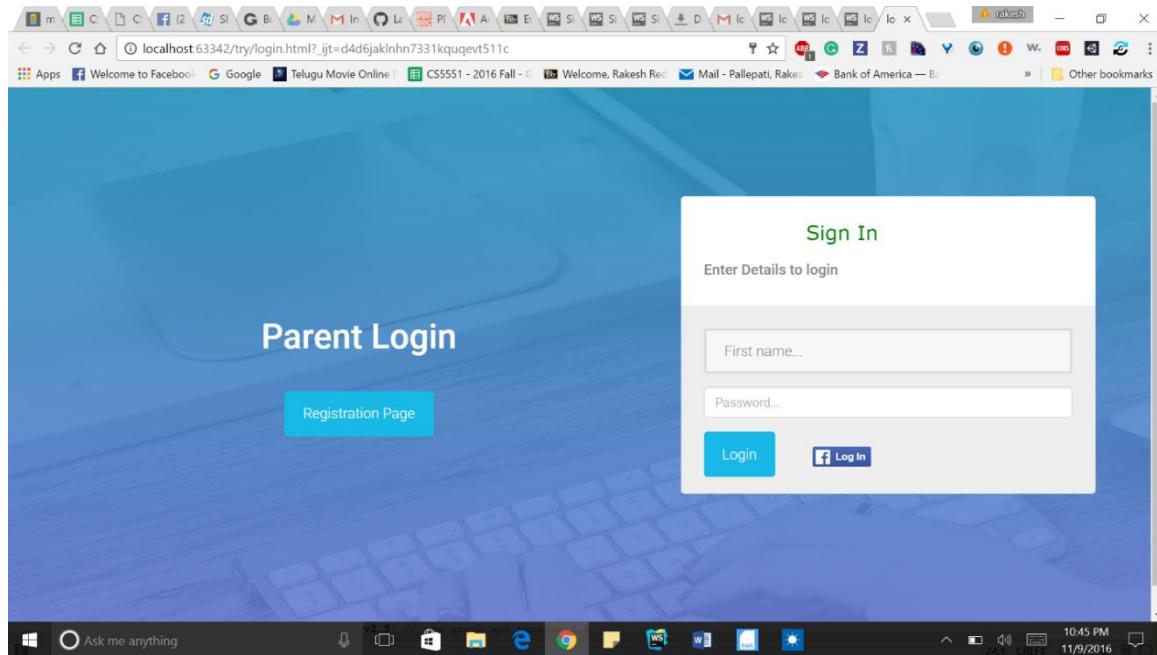
GitHub url: The below link is given for Second Increment Report which includes Source and Documentation.

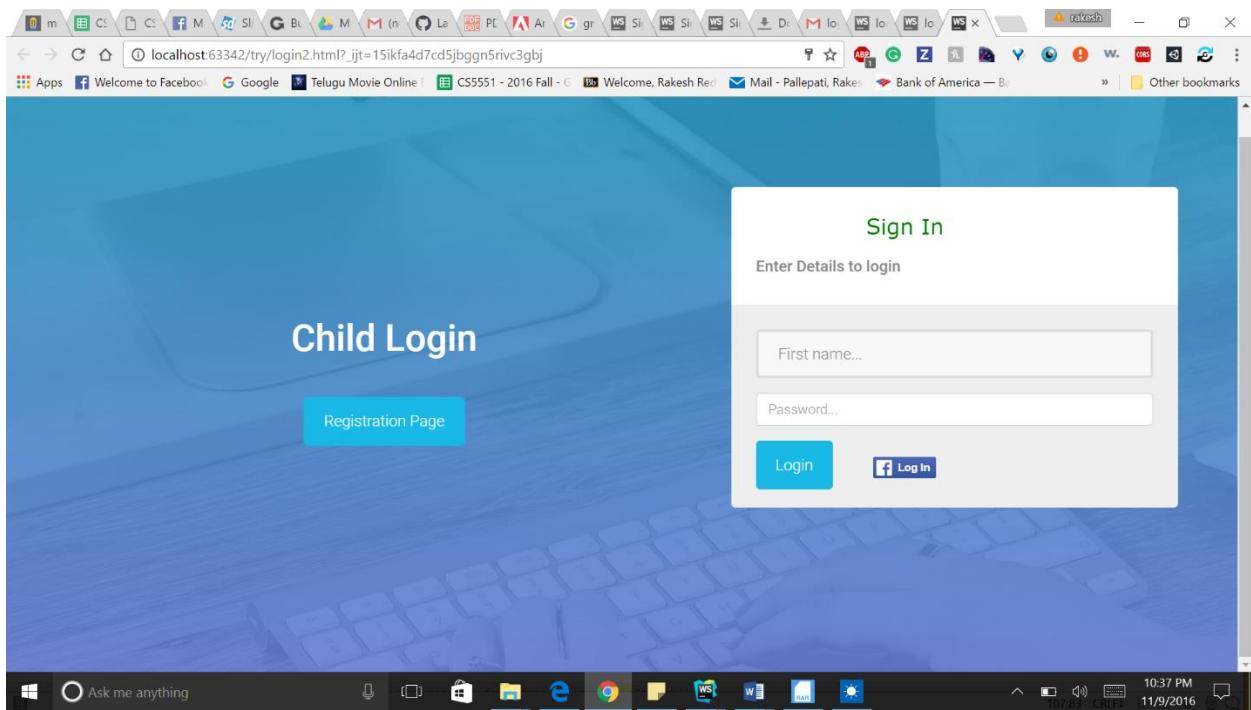
GitHub Wiki:

<https://github.com/UdayKiranDora/ASE-FINAL-PROJECT/wiki/Project-Report-4>

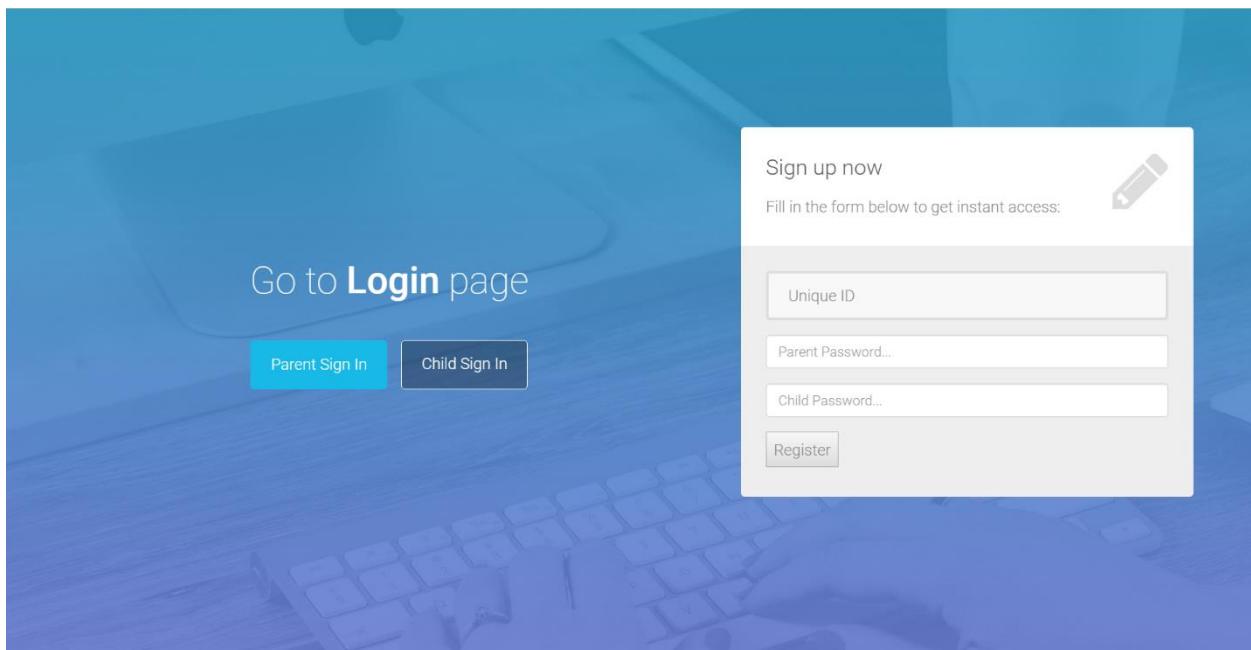
Screenshots:

Login Page

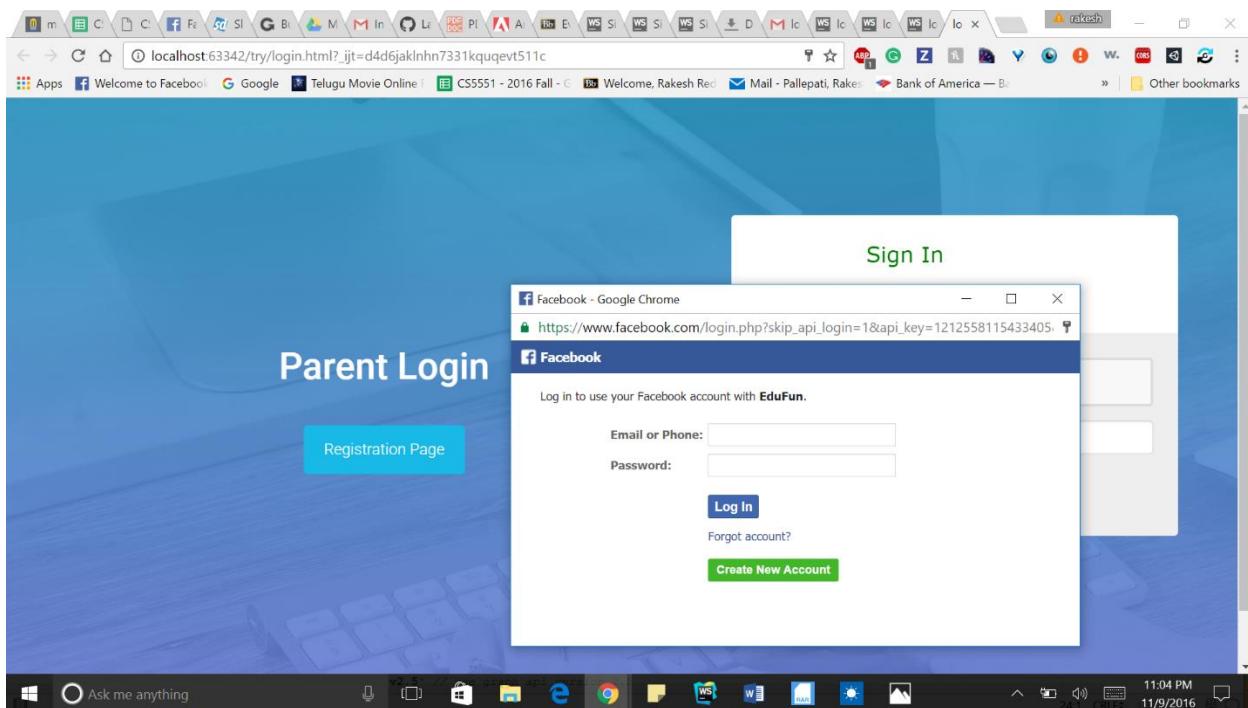
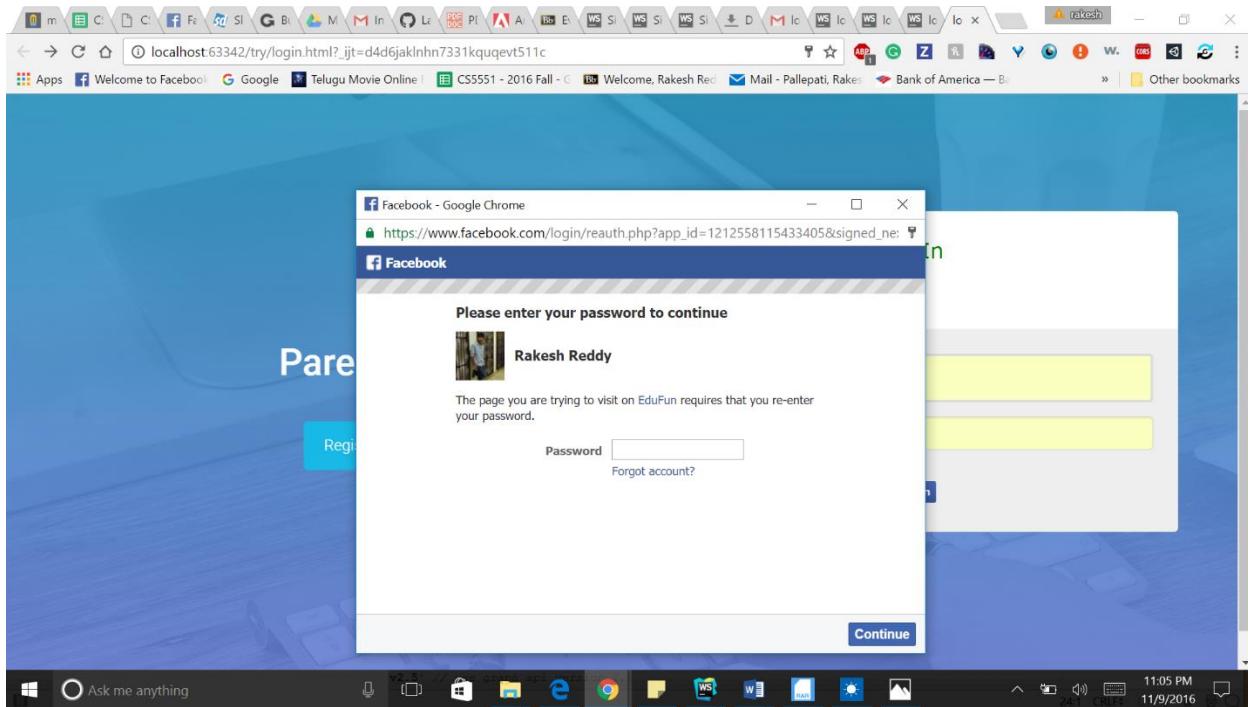


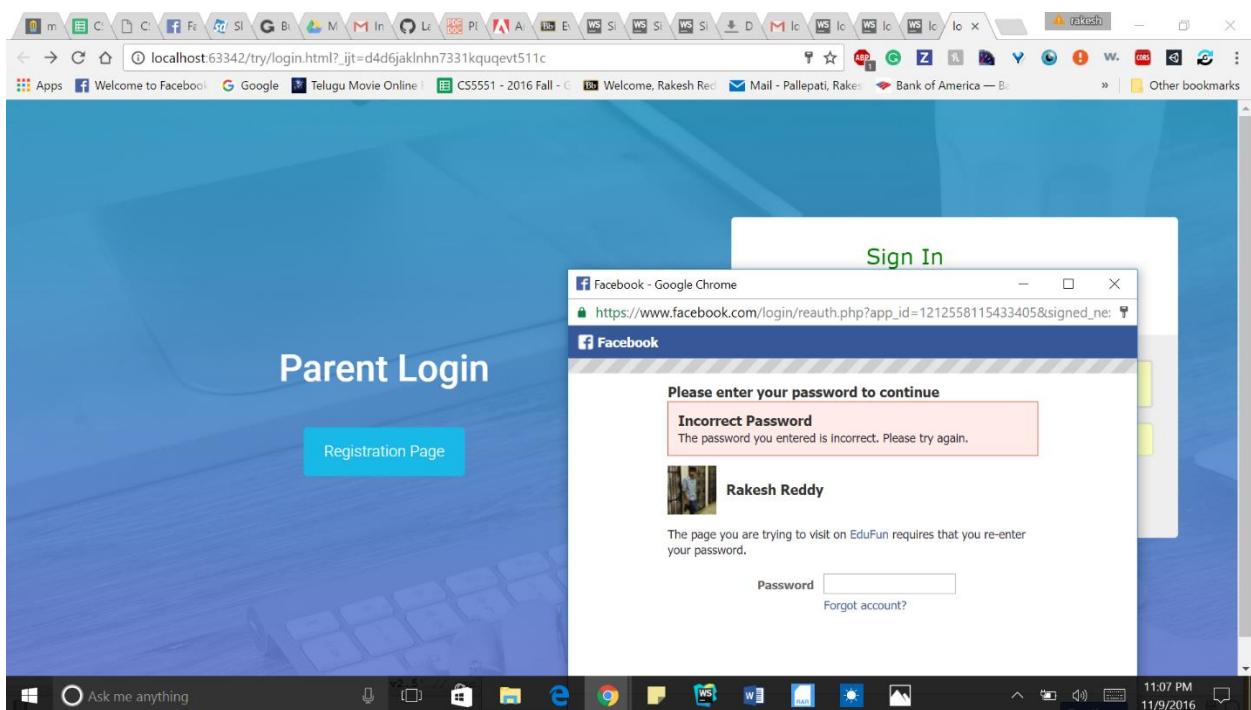
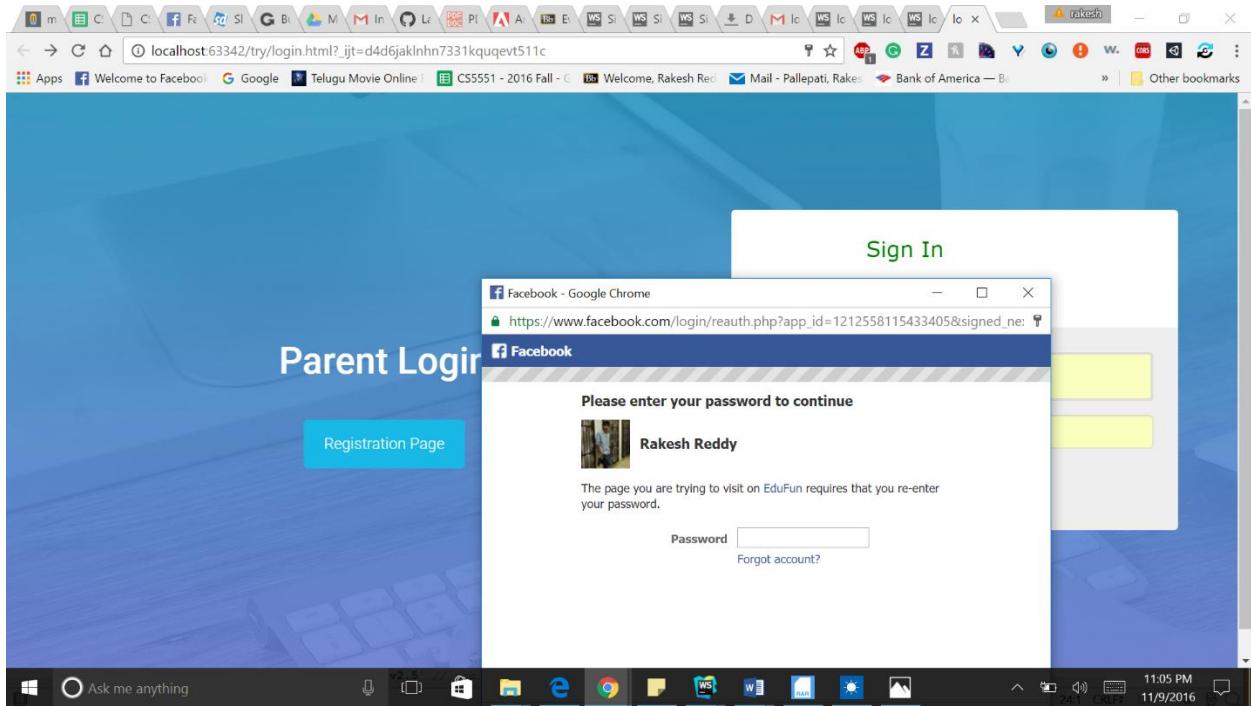


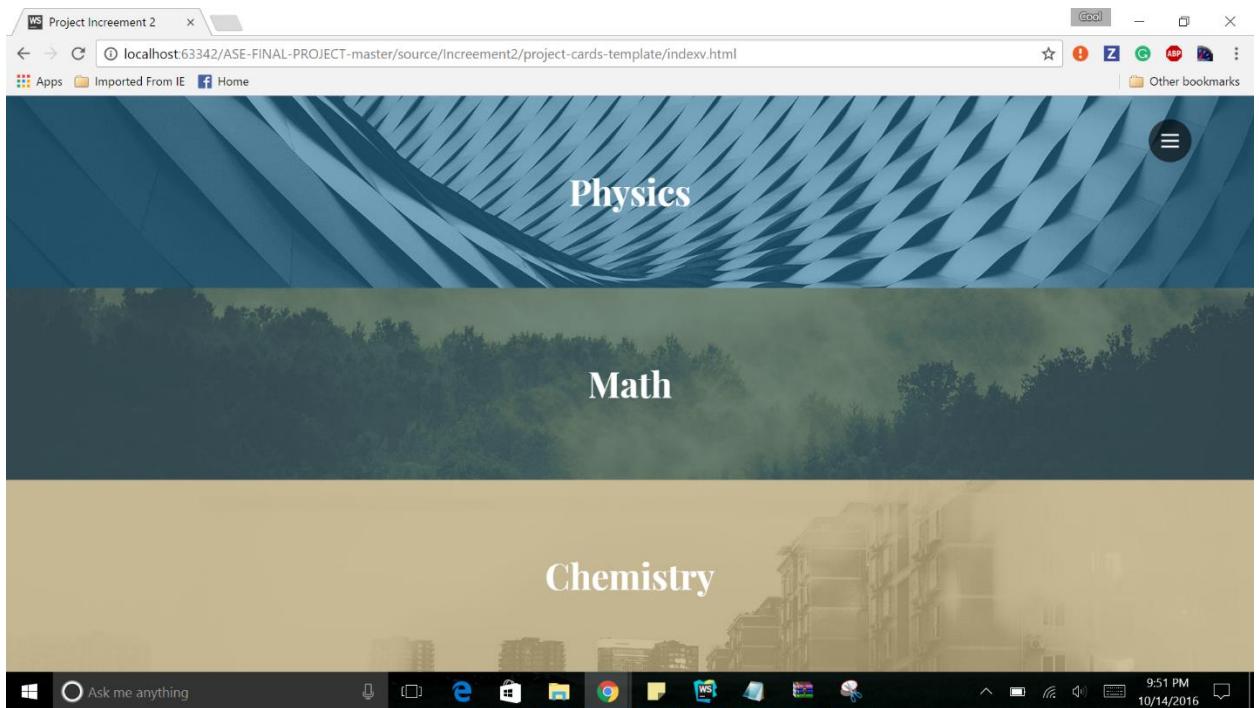
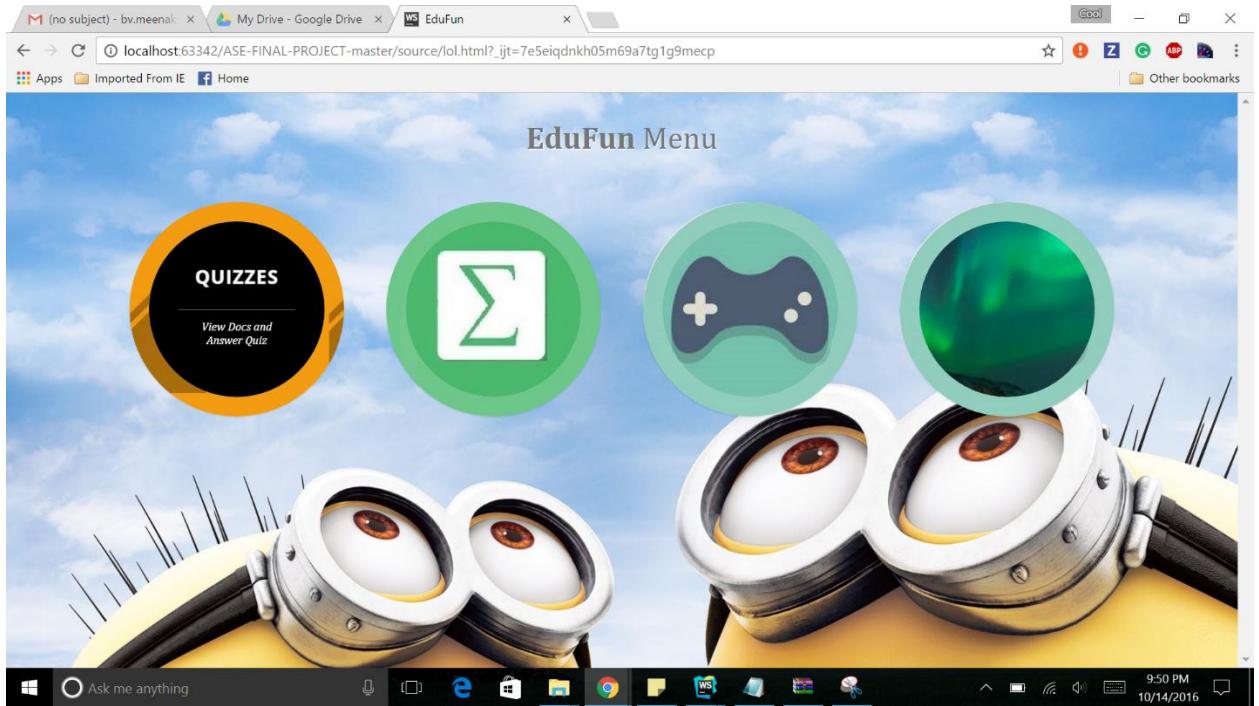
Registration Page



Facebook Login









Force of Attraction between Bodies

A force of attraction is any type of force that causes objects to come together, even if those objects are not close to or touching each other. The first force that causes attraction is the gravitational force. According to Newton's Universal Law of Gravitation every object in the universe attracts every other object in the universe. Gravity is an attractive force since any object with mass will experience a force of attraction from other objects with mass. Gravity is the reason for the statement 'What goes up must come down.' The second force that can cause attraction is the electric force, also known as the electrostatic force. While gravity affects objects with mass, electrostatic forces affect objects that have charge. Charge is determined by the number of electrons and protons in an object. Most objects are electrically neutral, which means they have an equal amount of electrons, which carry a negative charge, and protons, which carry a positive charge. But sometimes, objects can lose electrons and be positively charged, or gain electrons and become negatively charged. The



objects are electrically neutral, which means they have an equal amount of electrons, which carry a negative charge, and protons, which carry a positive charge. But sometimes, objects can lose electrons and be positively charged, or gain electrons and become negatively charged. The attraction occurs when two objects of opposite charge are in close proximity, and the electrical force causes these objects to attract. Therefore, positive and negative charges will attract each other. Hence the saying 'Opposites attract.' The third force that may cause attraction is the magnetic force. The magnetic force attracts objects that have magnetic properties. A magnet will attract metals rich in iron, like steel, as well as nickel and cobalt. But when an object is magnetized, the magnetic force is attractive when a north magnetic pole is brought into close proximity to a south magnetic force. The main source of magnetism is electric currents. When charges move, there is an electric current. So charges that don't move are affected by the electric force and charges that move are affected by the magnetic force. Magnetic attraction can also be the reason behind the saying 'Opposites attract.'

Take a Quiz



localhost:63342/ASE-FIN

localhost:63342/ASE-FINAL-PROJECT-master/source/increment2/quiz.html?_jtt=v6aepsp353m91o406d5ch86up

Apps Imported From IE Home Other bookmarks

Question 1 of 4

Which one of the following forces is purely attractive?

Gravitational force
 Electrostatic force
 Magnetic force

Submit Answer

EXIT

TIME REMAINING:
40



localhost:63342/ASE-FIN

localhost:63342/ASE-FINAL-PROJECT-master/source/increment2/quiz.html?_jtt=v6aepsp353m91o406d5ch86up

Apps Imported From IE Home Other bookmarks

Question 1 of 4

Which one of the following forces is purely attractive?

Gravitational force
 Electrostatic force
 Magnetic force

Submit Answer

EXIT

TIME REMAINING:
37



localhost:63342/ASE-FIN

Question 1 of 4

Which one of the following forces is purely attractive?

Gravitational force ←

Electrostatic force

Magnetic force

Submit Answer

EXIT

TIME REMAINING:

29



localhost:63342/ASE-FIN

Question 2 of 4

Which one of the following forces depends on moving charges?

Magnetic Force

Electric Force ←

Gravitational Force

Submit Answer

EXIT

TIME REMAINING:

23



localhost:63342/ASE-FIN

Question 3 of 4

What is the main source of Magnetic Force?

Magnetic Currents

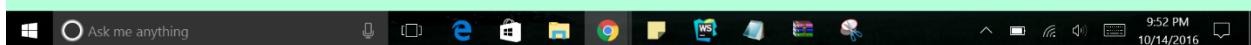
Attraction force

Poles Strength ←

Submit Answer

EXIT

TIME REMAINING: 18



localhost:63342/ASE-FIN

Question 4 of 4

Who Observed Gravity first?

Einstein

Stephen

Newton ←

Submit Answer

EXIT

TIME REMAINING: 13



localhost:63342/ASE-FIN

localhost:63342/ASE-FINAL-PROJECT-master/source/increment2/quiz.html?_jtt=v6aepspr353m91o406d5ch86up

Feedback

Who Observed Gravity first?

Einstein

Stephen

Newton

Submit Answer

Correct Answers :

3

TIME REMAINING:

10

Ask me anything

9:52 PM
10/14/2016

localhost:63342/ASE-FIN

localhost:63342/ASE-FINAL-PROJECT-master/source/increment2/quiz.html?_jtt=v6aepspr353m91o406d5ch86up

Feedback

Who Observed Gravity first?

Einstein

Stephen

Newton

Submit Answer

Correct Answers :

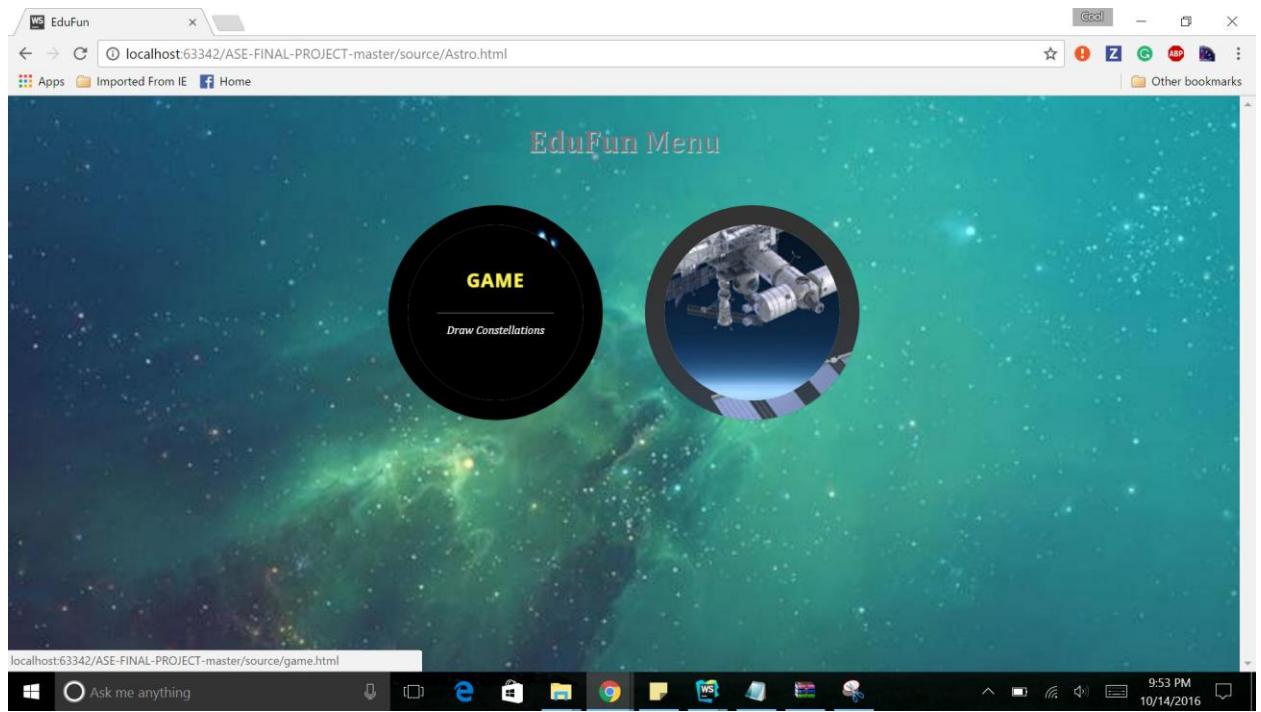
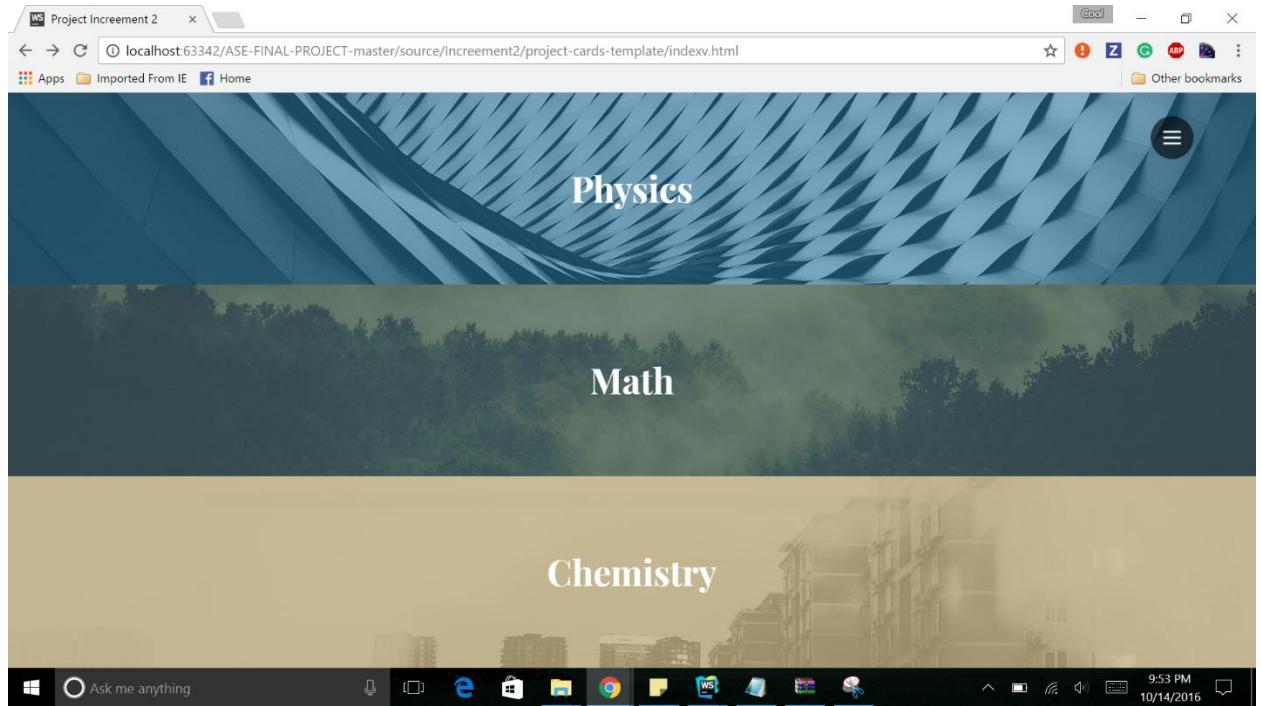
3

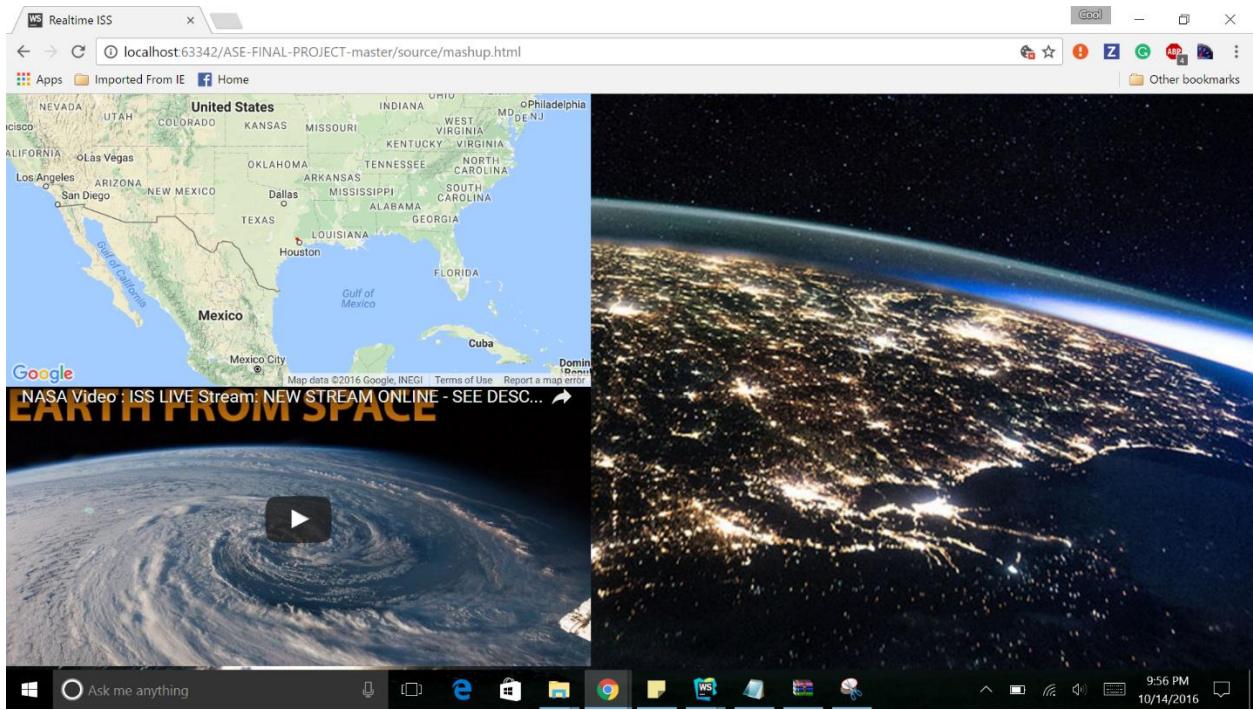
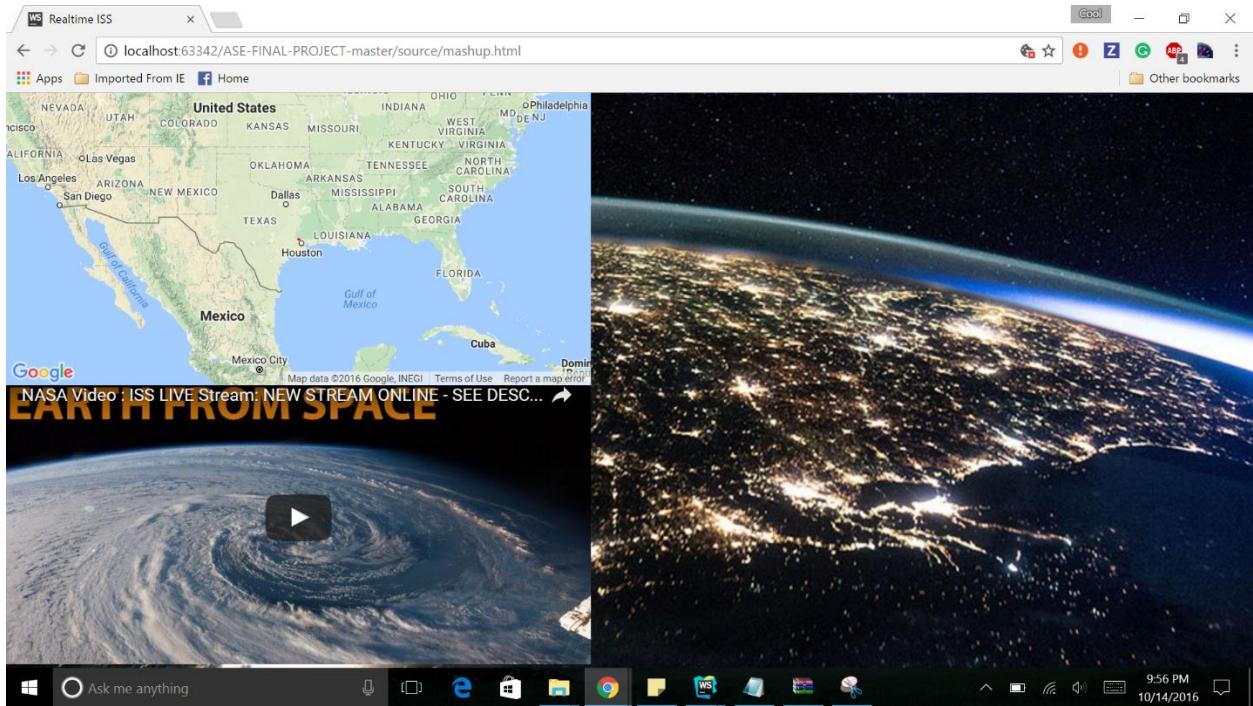
TIME REMAINING:

10

Ask me anything

9:52 PM
10/14/2016





Choose Quiz to add



Add Questions!!

Your question*

Your option 1*

Your option 2*

Your option 3*



Your question*

Your option 1*

Your option 2*

Your option 3*

Correct Answer*

Set your Question!



Your question*

Your option 1*

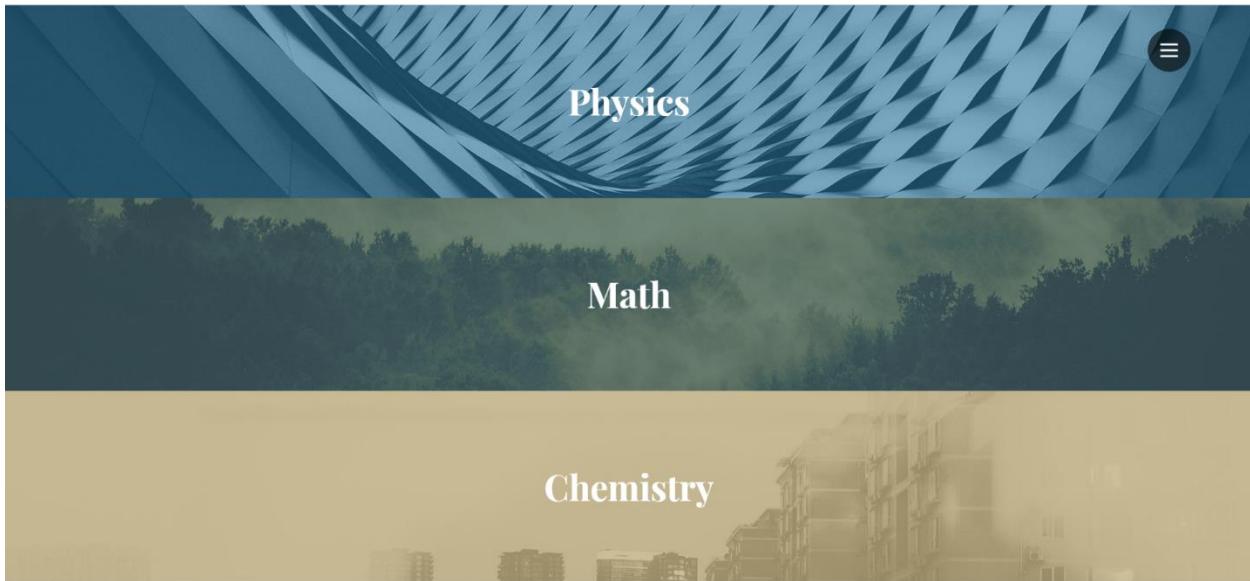
Your option 2*

Your option 3*

Correct Answer*

Set your Question!





Physics

Math

Chemistry

objects are electrically neutral, which means they have an equal amount of electrons, which carry a negative charge, and protons, which carry a positive charge. But sometimes, objects can lose electrons and be positively charged, or gain electrons and become negatively charged. The attraction occurs when two objects of opposite charge are in close proximity, and the electrical force causes these objects to attract. Therefore, positive and negative charges will attract each other. Hence the saying 'Opposites attract.' The third force that may cause attraction is the magnetic force. The magnetic force attracts objects that have magnetic properties. A magnet will attract metals rich in iron, like steel, as well as nickel and cobalt. But when an object is magnetized, the magnetic force is attractive when a north magnetic pole is brought into close proximity to a south magnetic force. The main source of magnetism is electric currents. When charges move, there is an electric current. So charges that don't move are affected by the electric force and charges that move are affected by the magnetic force. Magnetic attraction can also be the reason behind the saying 'Opposites attract.'



Take a Quiz

Question 1 of 4

Who invented telephone?

- Alexander flemming
- Graham Bell
- Einstein

[Submit Answer](#)

[EXIT](#)

TIME REMAINING:

39

Your question*

What is 4-3

Your option 1*

1

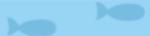
Your option 2*

12



Your option 3*

13



Correct Answer*

A

[Set your Question!](#)

Question 1 of 4

What is 4-3

- 1
- 12
- 13

[Submit Answer](#)

[EXIT](#)

TIME REMAINING:

34

Your question*

What is common salt formula?



Your option 1*

NaCl

Your option 2*

MgCo₂

Your option 3*

Na₂Co₃

Correct Answer*

A

[Set your Question!](#)

Question 1 of 4

What is common salt formula?

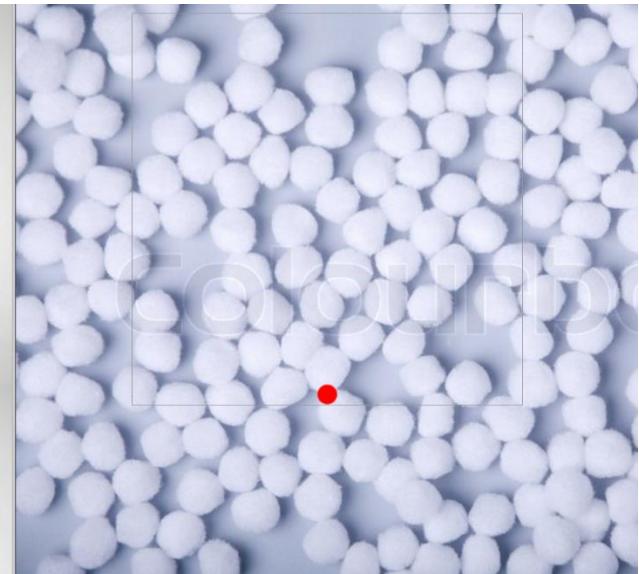
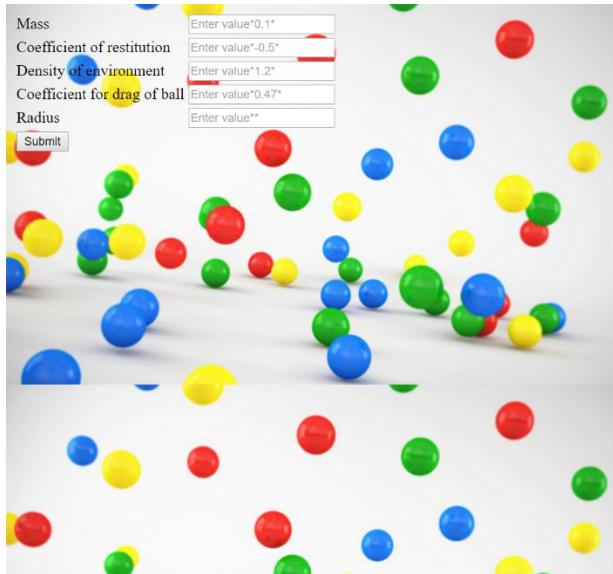
-
-
-

[Submit Answer](#)

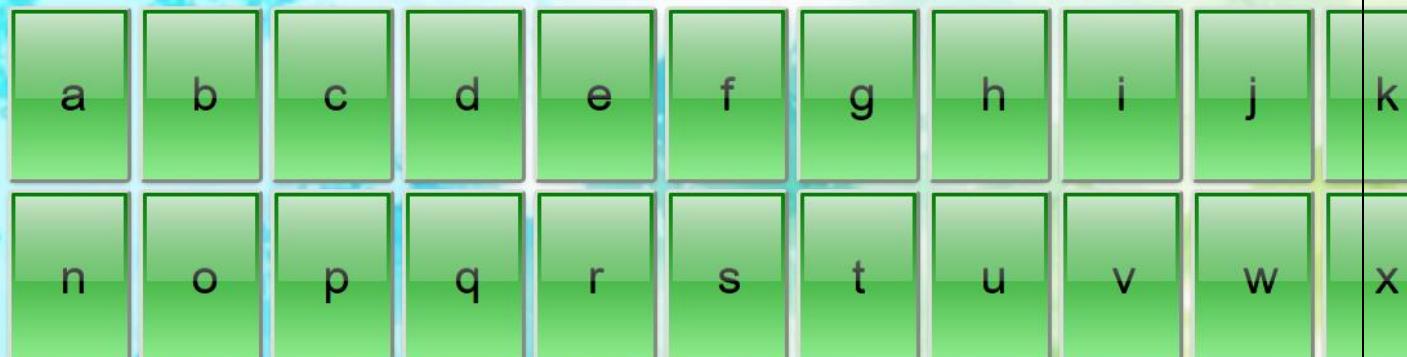
[EXIT](#)

TIME REMAINING:

40







speak

Another search

Join the dots

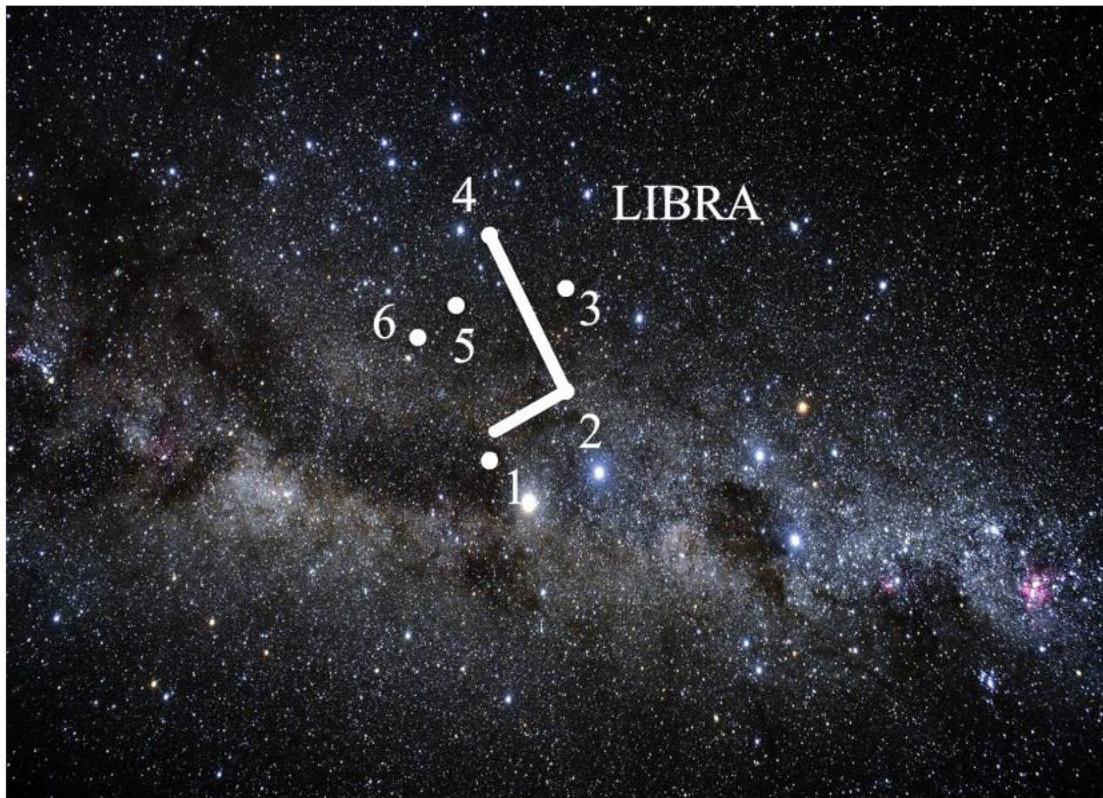
level 1

level 2

level 3

level 4

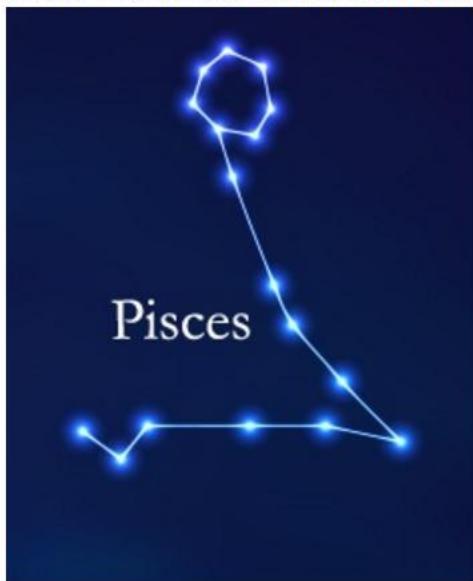
level 5





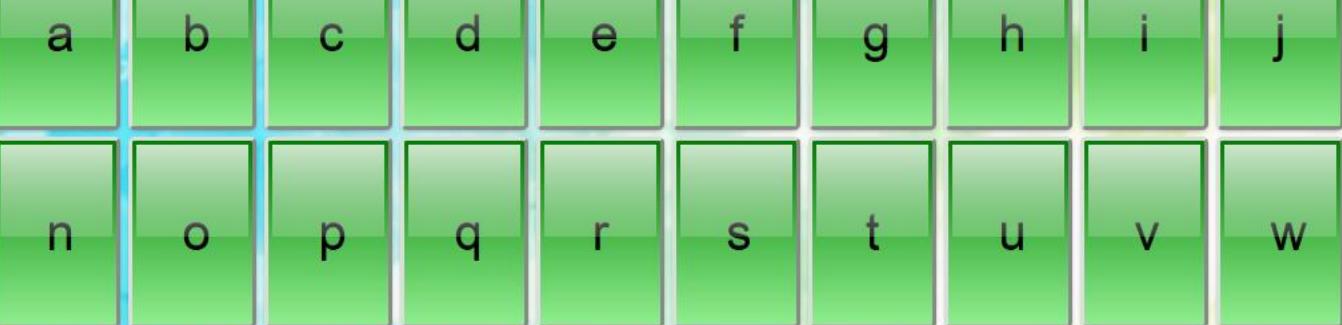
Pisces

Pisces the Fishes is an Autumn constellation, and can be best viewed in the night sky during the month of October.



[Go to the game](#)

bad



speak

Another search

9.Project Management:

9.1 Fourth Increment Report:

For the Fourth Increment Report, we added the new login, register pages for child and parent. Menu page consisting different categories. It contains Quizzes, Game, Simulations. Quizzes includes from different subjects they are Mathematics, Physics, Chemistry. This login page will compare the details to the user registration details.

Constellations contains many symbols from which few Zodiac signs are taken and created an interactive game on their flow to get the symbol which will be helped to know the numbers much better and the symbols. Constellations brief summary has been included because to know their importance and their appearance in the annual year.

Learn to speak is the new feature added which describes the pronunciation of each letter and words. This will be helpful for the kids to speak the words and their pronunciation. This has been achieved using the text to speech API key. Each letter will be displayed and the user need to be click on the letter then it pronounces out.

Users who want to use the EduFun web service will register and those registration details will be saved in the MongoDB. This has been done by using MongoDB API key and enabling its access. It will be saving the details such as Username, Email Id, Password with unique id.

\

9.1.1 Project Timelines, Members, Task Responsibility:

Project Timelines: The Project is submitted in 4 increments and the aim is to achieve the said goals and tasks reported in the project.

Members:

- Uday Kiran Dora
- Meenakshi Borusu
- Rakesh Reddy
- Ramana Kumar

Task Responsibility:

Team includes four members. Each member has done their own part of work related to the project.

9.2 Work Completed:

- Learn to Speak.
- Integration of MongoDB registration details with Login details.
- Constellation Symbol Game.

Description:

Stories(Issues):

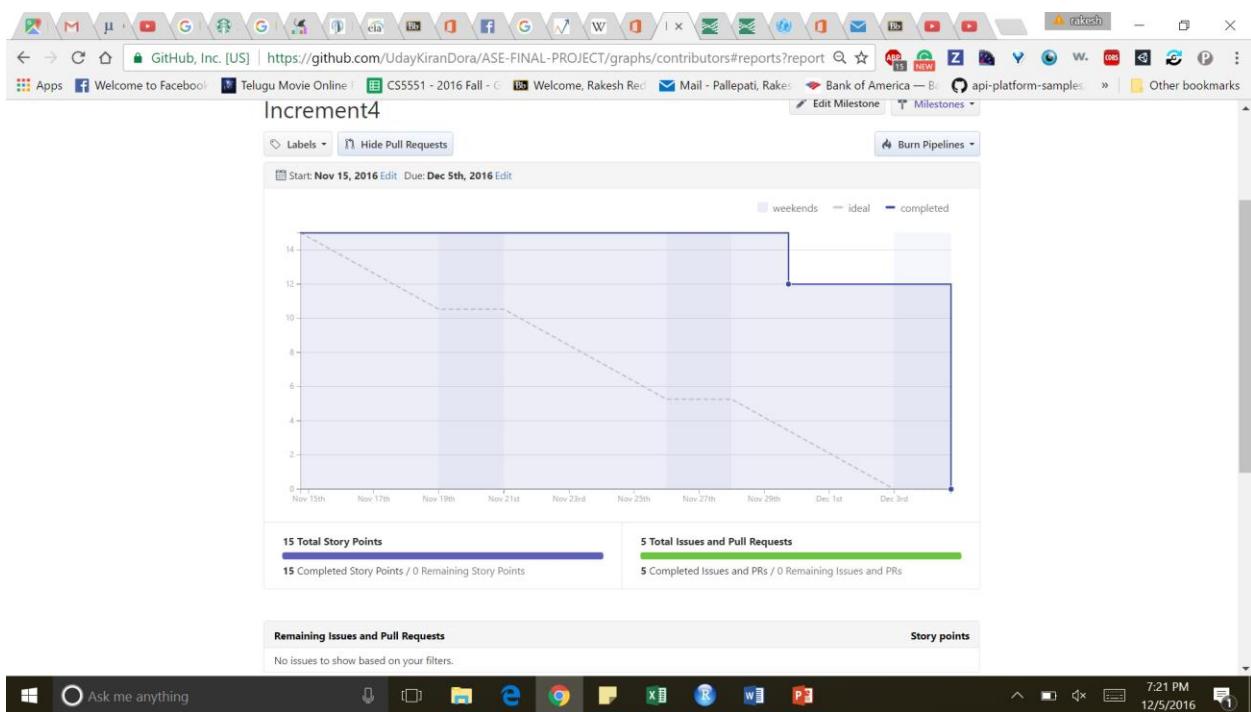
The screenshot shows a GitHub repository page for 'UdayKiranDora / ASE-FINAL-PROJECT'. The search bar at the top contains the query 'issueisclosed:milestone:Increment4'. The results list five closed issues under the 'Issues' tab:

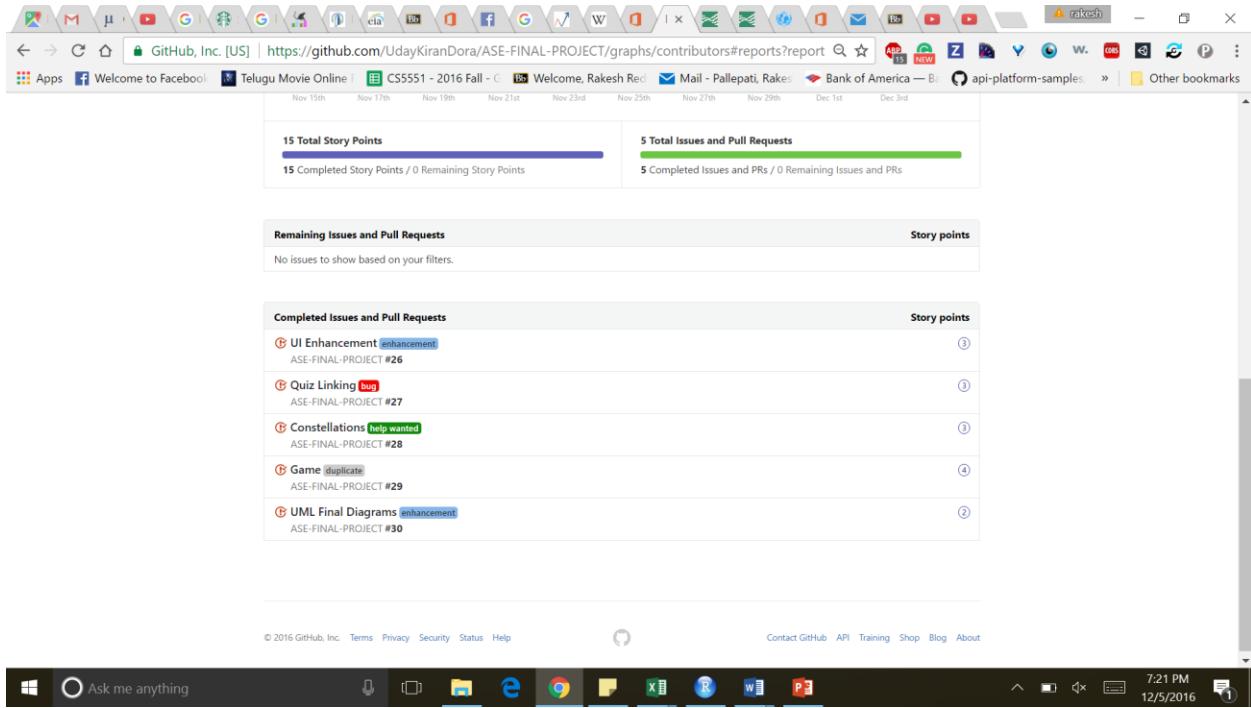
- UML Final Diagrams (enhancement) - Closed by rpd54 17 minutes ago
- Game (duplicate) - Closed by rpd54 17 minutes ago
- Constellations (help wanted) - Closed by rpd54 17 minutes ago
- Quiz Linking (bug) - Closed by rpd54 6 days ago
- UI Enhancement (enhancement) - Closed by rpd54 17 minutes ago

A 'ProTip!' message at the bottom right of the list says 'What's not been updated in a month? updated:<2016-11-05.' The GitHub interface includes a header with various icons, a navigation bar with 'Issues' selected, and a footer with copyright information and links.

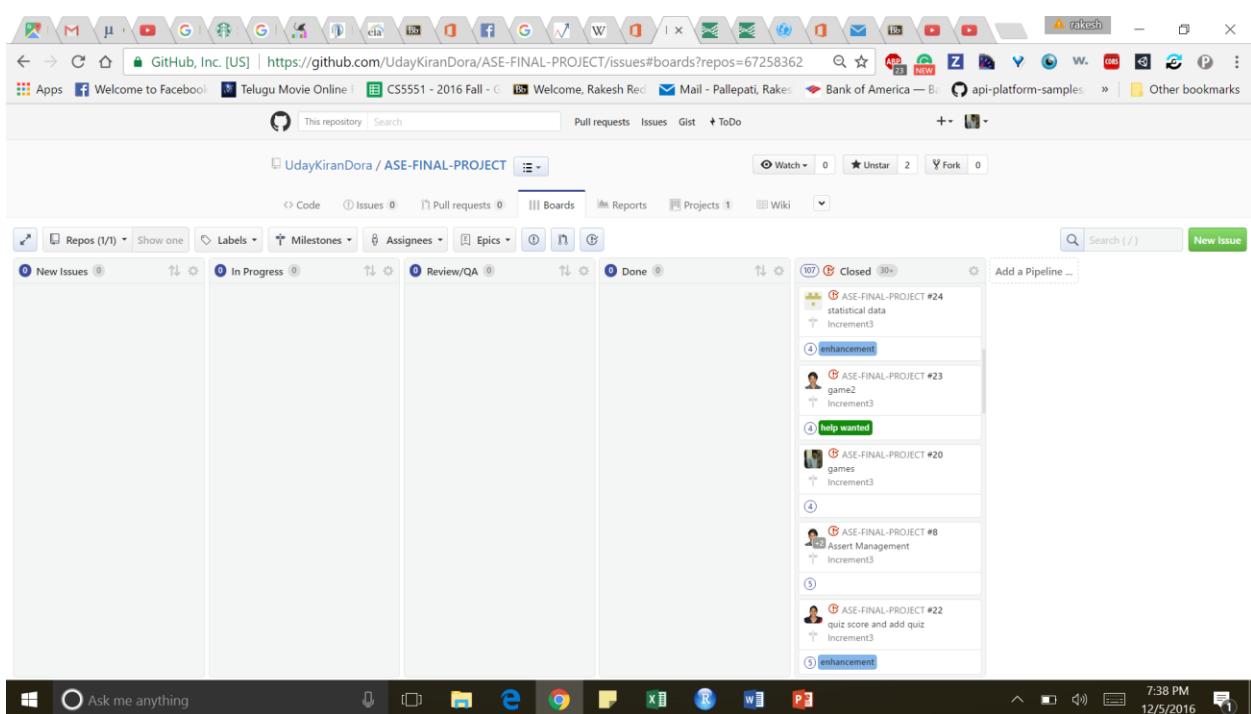
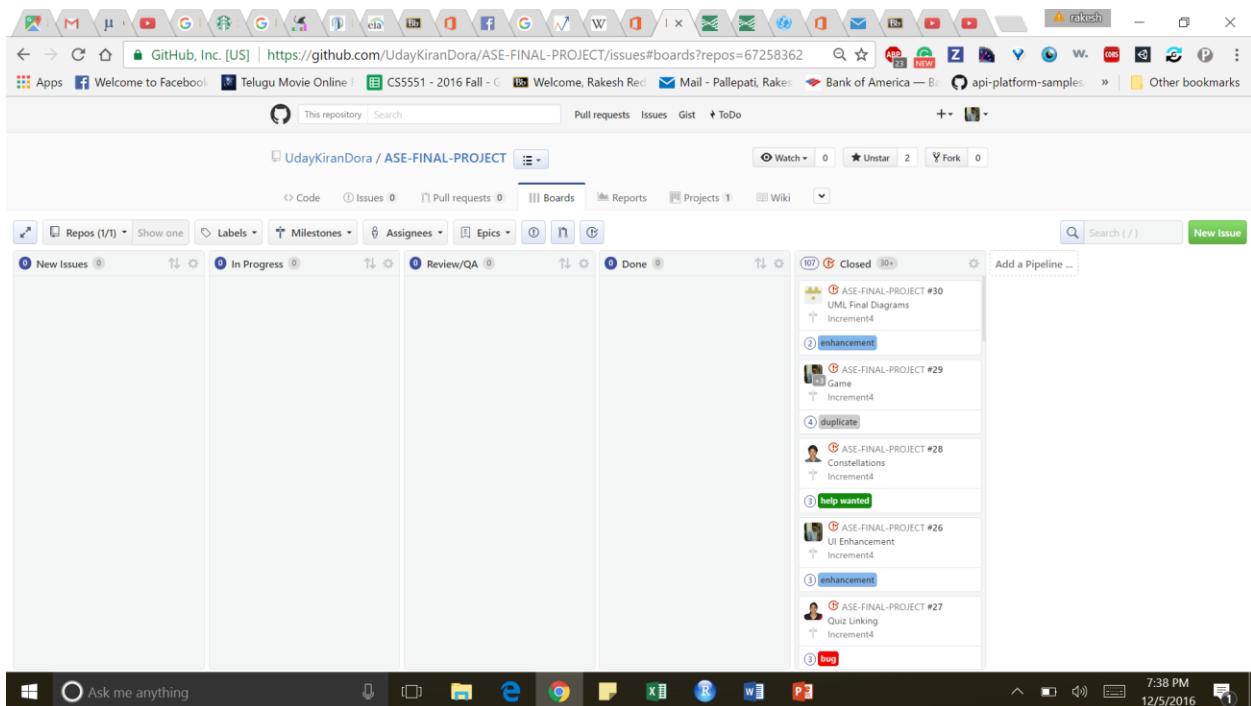
The below image shows the issues created during the project to enhance the project regarding various issues. The open issues and closed issues describe the various stages in the github. Those are labelled with level of difficulty and milestone with the type of functionality to it

Burndown Chart:





The above burndown chart shows how the issues are resolved in the span of time.



Service Implementation:

Responsibility(Task and Person):

Meenakshi- Learn to speak (5 hrs)

Meenakshi - Userstories(1/2 hr)

Uday-Constellation Game (3 hrs)

Rakesh-Constellation Game (3 hrs)

Rakesh-UI Design(2 hrs)

Rakesh-Unit Testing(1 hr)

Ramana-Architecture Diagram(1/2 hr)

Ramana-Documentation (2 hrs)

- Contribution

Uday Kiran Dora – 25%

B.V.Meenakshi – 25%

Rakesh Reddy Pallepati – 25%

Ramana Kumar – 25%

Project Links

Youtube

[https://www.youtube.com/watch?v=484kb2t
nKI&feature=youtu.be](https://www.youtube.com/watch?v=484kb2tnKI&feature=youtu.be)

Github

[https://github.com/UdayKiranDora/ASE-
FINALPROJECT](https://github.com/UdayKiranDora/ASE-FINALPROJECT)

PPT

<https://www.dropbox.com/s/1ikpy7gg9p5plibk/ASE%20Project%20ppt.pptx?dl=0>

6.Bibliography

- <http://www.blahblahtech.com/2008/03/the-future-of-gaming-interactive-gaming.html>
- https://en.wikipedia.org/wiki/Interactive_Learning
- https://en.wikipedia.org/wiki/Game_physics
- <http://brm.io/game-physics-for-beginners/>