A. P. Shah Institute of Technology

Development of Autistic children.

Project Members

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Outline of Presentation

1. Abstract
2. Introduction
3. Problem Statement / Problem Definition
4. Proposed System
5. Implementation / Technologies Used
6. ScreenShots of GUI/Code Snippets
7. Conclusion

ABSTRACT

Autism, or autism spectrum disorder (ASD), refers to a broad range of conditions characterized by challenges with social skills, repetitive behaviors, speech and nonverbal communication. We help them by providing fun games and easy activities for development and generate a progress report by keeping a track of thier daily activities. The presentation takes you through the minute details of the project and the functioning.

INTRODUCTION

Welcome to AUTISTICO! This is a website specially designed for autistic children and their parents or educators. This website provides you with fun games and activities. The user friendly interface of this website, makes it easy for not only the parents but also the children to operate this website. Keeping in mind the challenge it is for autistic children, we have put in maximum efforts to make this website more interesting and interactive for the children. The colourful graphics would attract them and keep them engaged to explore more of this website thus developing their mind-set. Considering their repetitive nature, we would use that positively through a game which would help them make the basic values of interaction a repetitive trait or a mind memory for them. This would make it easier for them to draw conclusions about how to react in the real life.

The educators or parents of the children will be provided complete information of all the activities of their child on this website. Every game he/she plays will be recorded in the database. The scores of their child will be recorded and displayed in a report. This report will contain all the scores and achievements of the child from day 1. By comparing these scores, the educators or parents can evaluate where the child is lacking and how can they improve that. Progress over the time can be tracked by this report which basically shows how the child has grown up with time.

PROBLEM STATEMENT

To design a website for kids suffering through autism spectrum disorder, for thier overall development and track thier progress.

IMPLEMENTATION / TECHNOLOGIES USED

Operating Systems : Ubuntu

1)Ubuntu is customizable from the moment you install it.

2) Ubuntu is not immune to security flaws but it is built from its kernel up with more emphasis on operating techniques to cover for the recklessness of it not so tech-inclined users; allowing them to be a lot more generous with their portable storage devices and accessories.

3) Ubuntu is Better Suited for Development

Text editor : Sublime

Sublime Text is a proprietary cross-platform source code editor with a Python application programming interface (API).

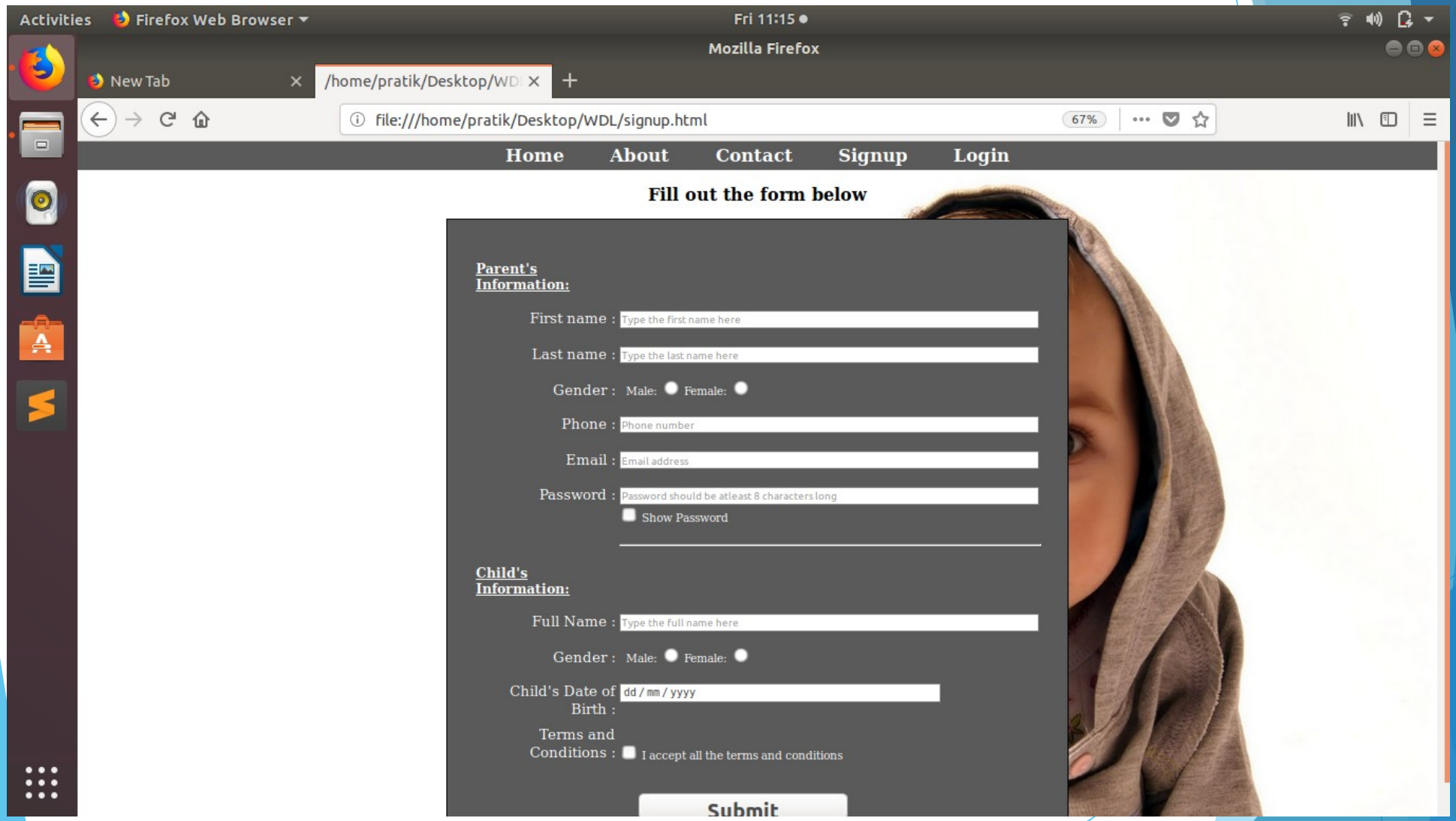
Database : MySQL

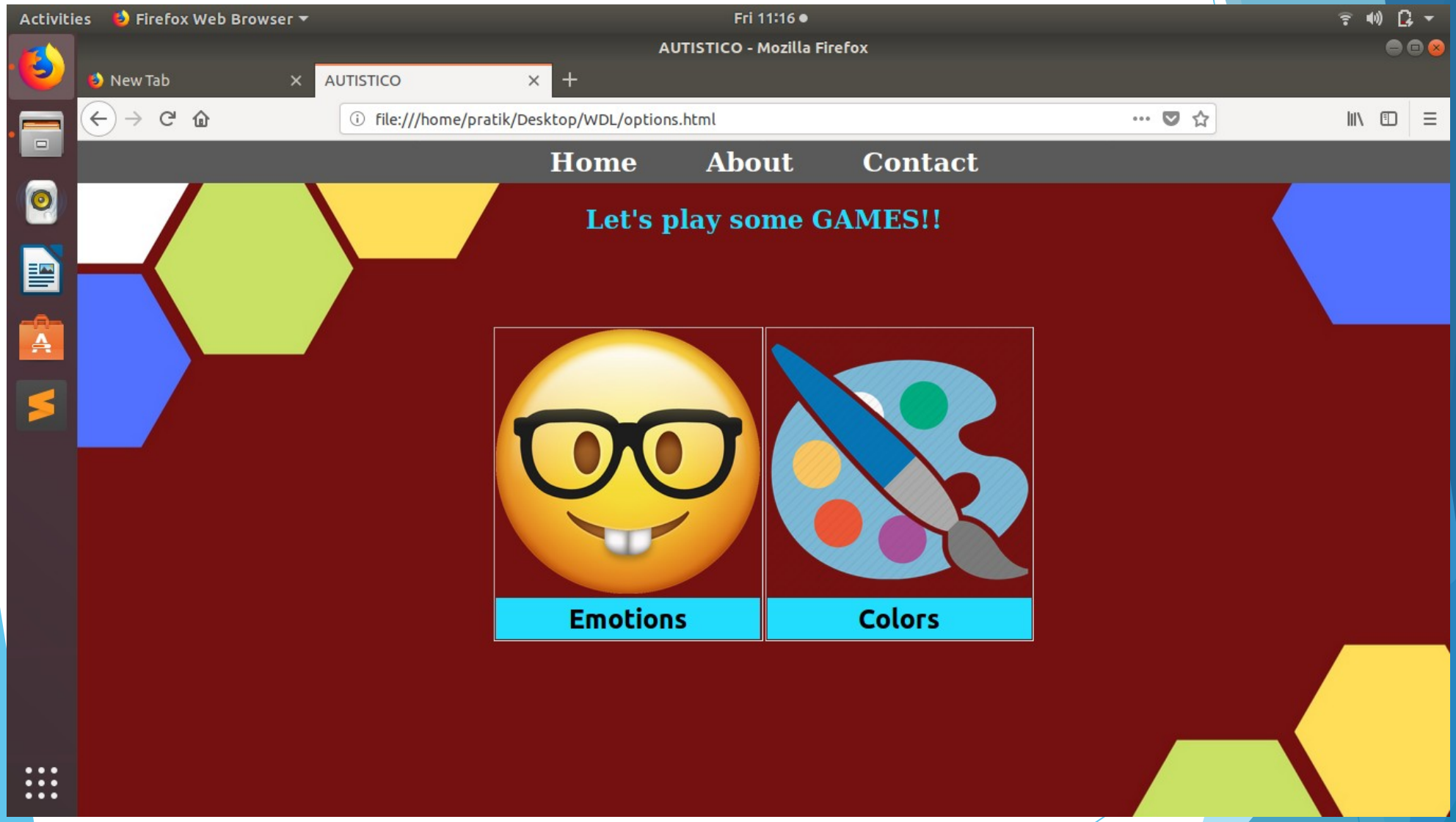
MySQL is an open-source relational database management system.

Graphic designing : Canva

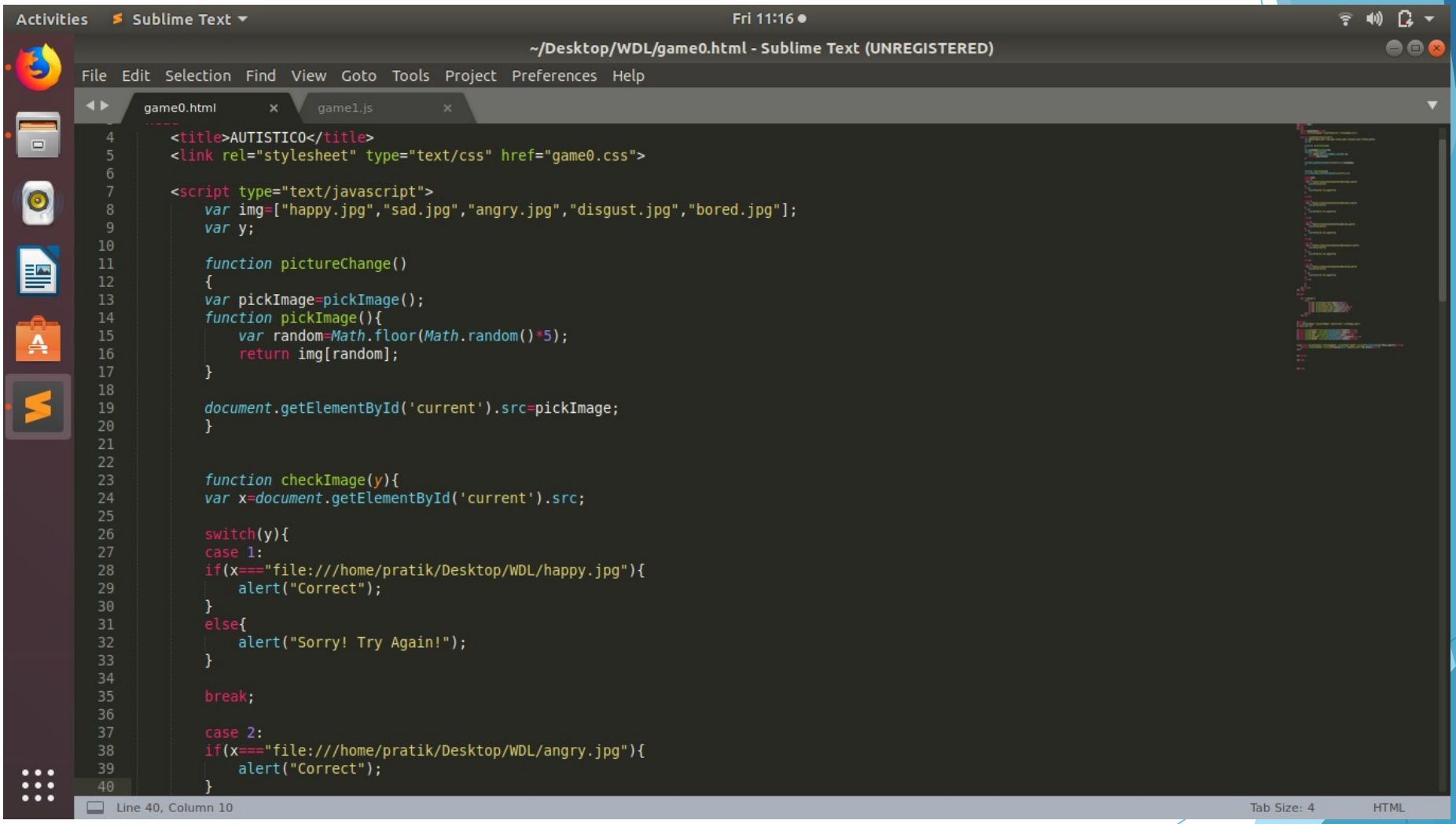
Canva is an online website, where we can design graphic images for presentation of our website.

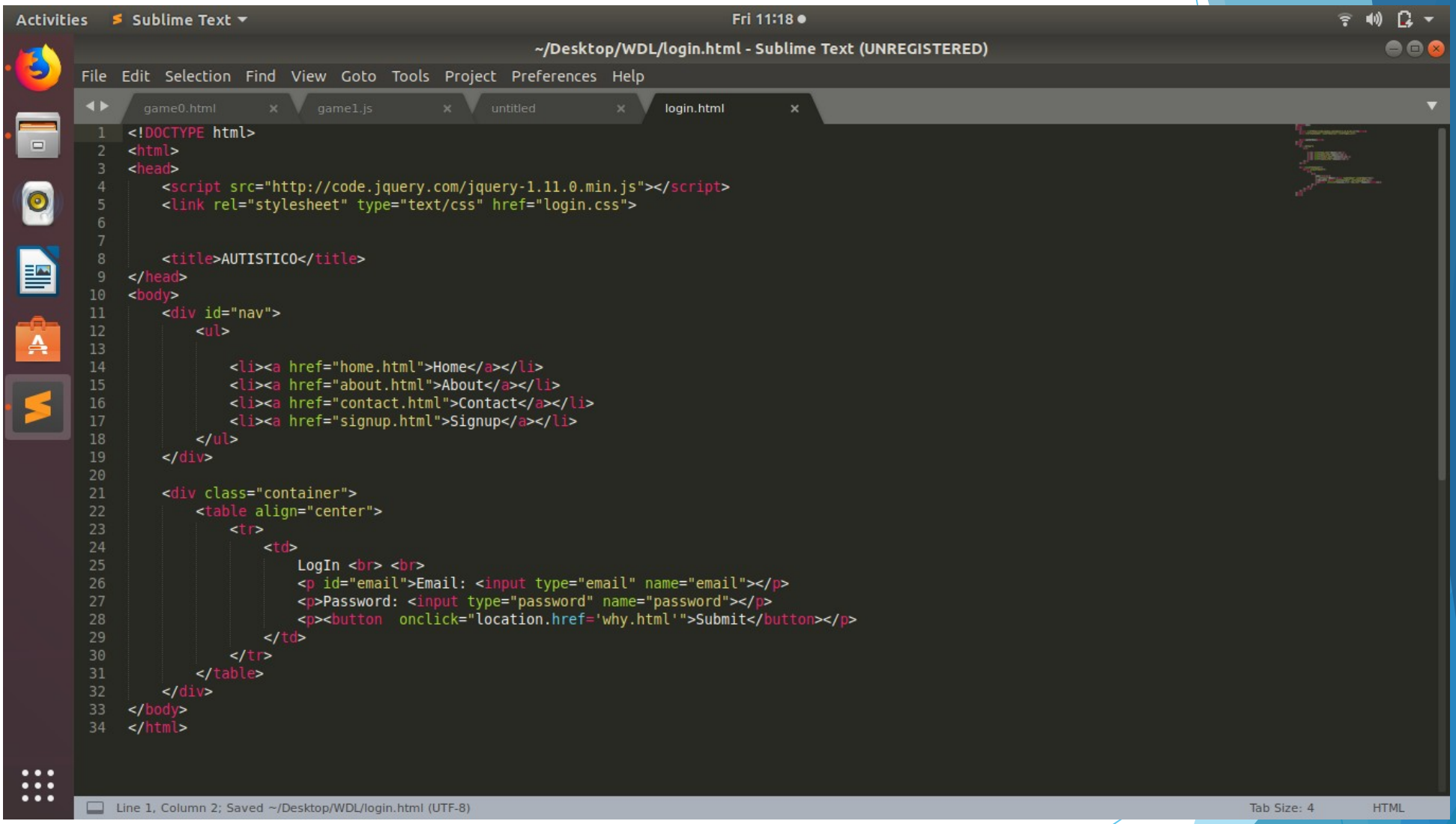
SCREENSHOTS OF GUI/CODE SNIPPETS




Activities
Firefox Web Browser
Fri 11:16
AUTISTICO - Mozilla Firefox
New Tab
AUTISTICO
file:///home/pratik/Desktop/WDL/options.html
Home
About
Contact
Let's play some GAMES!!
Emotions
Colors

Activities
Firefox Web Browser
Fri 11:16
AUTISTICO - Mozilla Firefox
New Tab
AUTISTICO
file:///home/pratik/Desktop/WDL/game1.html
Home
About
Contact
Choose the color blue
Play Again!
Go Back!


Activities
Sublime Text
Fri 11:16
~/Desktop/WDL/game0.html - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
game0.html
game1.js
<title>AUTISTICO</title>
<link rel="stylesheet" type="text/css" href="game0.css">
<script type="text/javascript">
var img=["happy.jpg","sad.jpg","angry.jpg","disgust.jpg","bored.jpg"];
var y;
function pictureChange()
{
var pickImage=pickImage();
function pickImage(){
var random=Math.floor(Math.random()*5);
return img[random];
}
document.getElementById('current').src=pickImage;
}
function checkImage(y){
var x=document.getElementById('current').src;
switch(y){
case 1:
if(x==="file:///home/pratik/Desktop/WDL/happy.jpg"){
alert("Correct");
}
else{
alert("Sorry! Try Again!");
}
break;
case 2:
if(x==="file:///home/pratik/Desktop/WDL/angry.jpg"){
alert("Correct");
}
Line 40, Column 10
Tab Size: 4
HTML

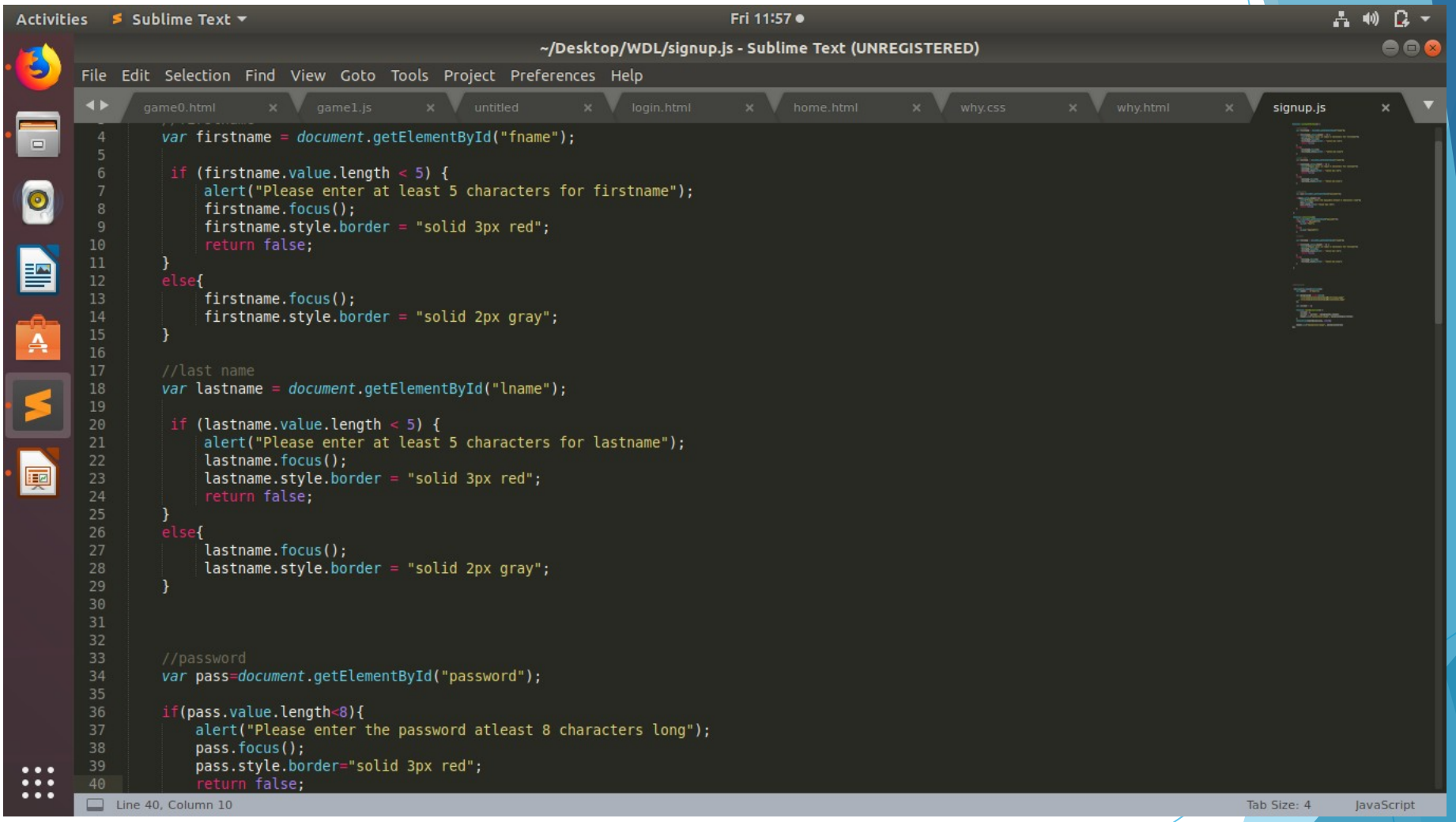

Activities
Sublime Text
Fri 11:18
~/Desktop/WDL/login.html - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
game0.html
game1.js
untitled
login.html
<!DOCTYPE html>
<html>
<head>
<script src="http://code.jquery.com/jquery-1.11.0.min.js"></script>
<link rel="stylesheet" type="text/css" href="login.css">
<title>AUTISTICO</title>
</head>
<body>

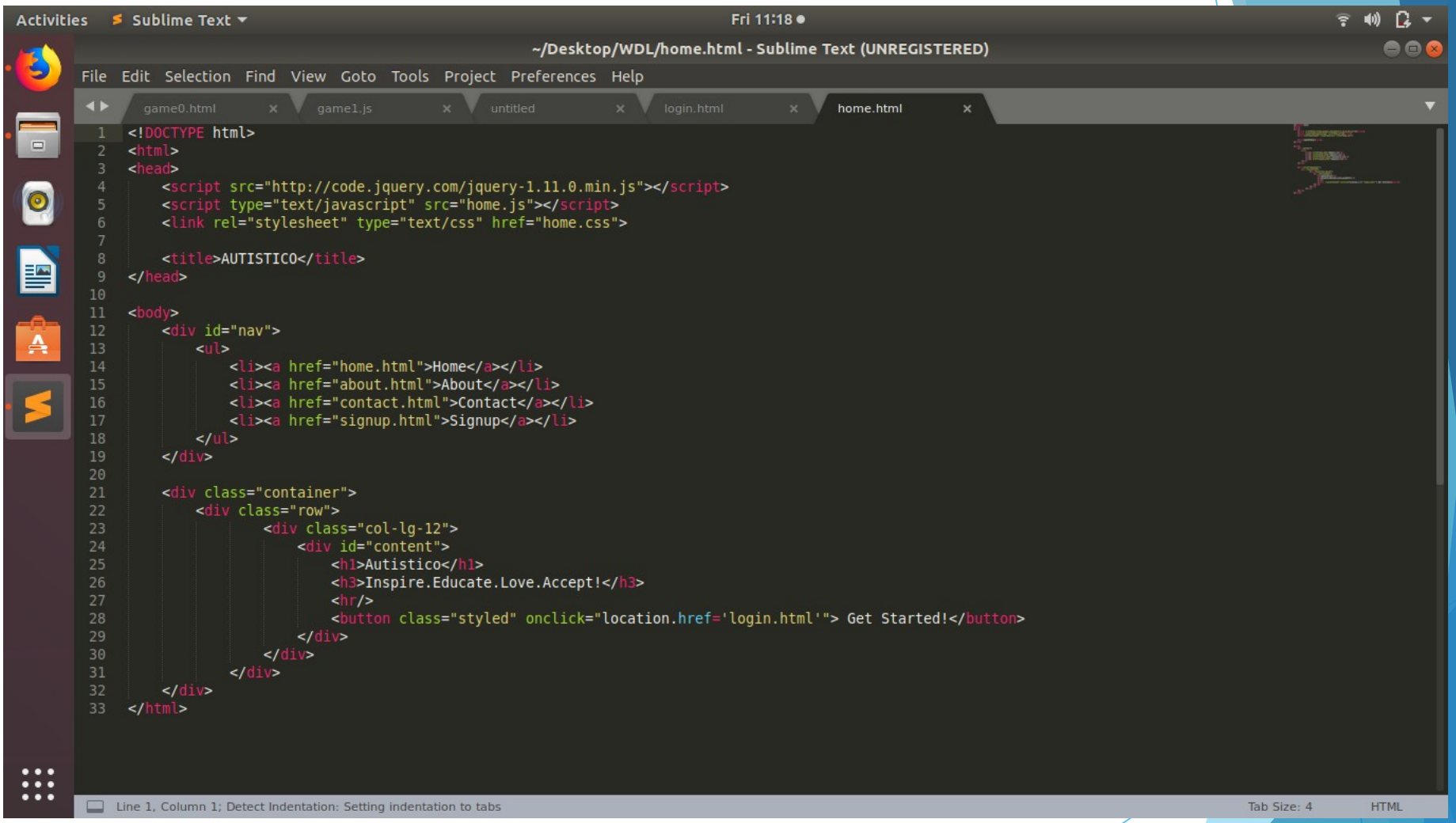
<ul>
<li><a href="home.html">Home</a></li>
<li><a href="about.html">About</a></li>
<li><a href="contact.html">Contact</a></li>
<li><a href="signup.html">Signup</a></li>
</ul>

<table align="center">
<tr>
<td>
LogIn

Email: <input type="email" name="email">
Password: <input type="password" name="password">
<button onclick="location.href='why.html'">Submit</button>
</td>
</tr>
</table>

</body>
</html>
Line 1, Column 2; Saved ~/Desktop/WDL/login.html (UTF-8)
Tab Size: 4
HTML


Activities
Sublime Text
Fri 11:57
~/Desktop/WDL/signup.js - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
game0.html
game1.js
untitled
login.html
home.html
why.css
why.html
signup.js
var firstname = document.getElementById("fname");
if (firstname.value.length < 5) {
alert("Please enter at least 5 characters for firstname");
firstname.focus();
firstname.style.border = "solid 3px red";
return false;
}
else{
firstname.focus();
firstname.style.border = "solid 2px gray";
}
//last name
var lastname = document.getElementById("lname");
if (lastname.value.length < 5) {
alert("Please enter at least 5 characters for lastname");
lastname.focus();
lastname.style.border = "solid 3px red";
return false;
}
else{
lastname.focus();
lastname.style.border = "solid 2px gray";
}
//password
var pass=document.getElementById("password");
if(pass.value.length<8){
alert("Please enter the password atleast 8 characters long");
pass.focus();
pass.style.border="solid 3px red";
return false;
Line 40, Column 10
Tab Size: 4
JavaScript


Activities
Sublime Text
Fri 11:18
~/Desktop/WDL/home.html - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
game0.html
game1.js
untitled
login.html
home.html
<!DOCTYPE html>
<html>
<head>
<script src="http://code.jquery.com/jquery-1.11.0.min.js"></script>
<script type="text/javascript" src="home.js"></script>
<link rel="stylesheet" type="text/css" href="home.css">
<title>AUTISTICO</title>
</head>
<body>

<ul>
<li><a href="home.html">Home</a></li>
<li><a href="about.html">About</a></li>
<li><a href="contact.html">Contact</a></li>
<li><a href="signup.html">Signup</a></li>
</ul>

<h1>Autistico</h1>
<h3>Inspire.Educate.Love.Accept!</h3>
<hr/>
<button class="styled" onclick="location.href='login.html'"> Get Started!</button>

</html>
Line 1, Column 1; Detect Indentation: Setting indentation to tabs
Tab Size: 4
HTML

CONCLUSION

We have developed a website and hosted it on the server in order to establish the usage of it, for the development of the autistic children. A user friendly interface for that parents and their respective children to work on the shortcomings of autism. Development for a better future. Accessing this website from anywhere in this world even in remote areas. Thus, contributing towards betterment and providing a helping hand to AUTISM.

QUESTIONS ?

THANK YOU!