

Hackathon 2016

SCORING APPLICATION

Use-Case By H&R Block



TEAM: Tech-Knights

Members::

Aishwarya Natarajan Iyer

Gayathree Natarajan Iyer

Sruthi Gelivi

Pranathi Gopidi

Introduction

‘Scoring Application’ can be used by future judges of Hackathon events where judges will be able to score the teams more efficiently and hassle-free.

This ‘Scoring Application’ is user friendly and simple to score and manage the teams participating in Hackathon.

There are 2 users:

Judges

Admin

Both Judge and Admin can login to this scoring web-application to have different access rights to the web application.

Roles of Judge

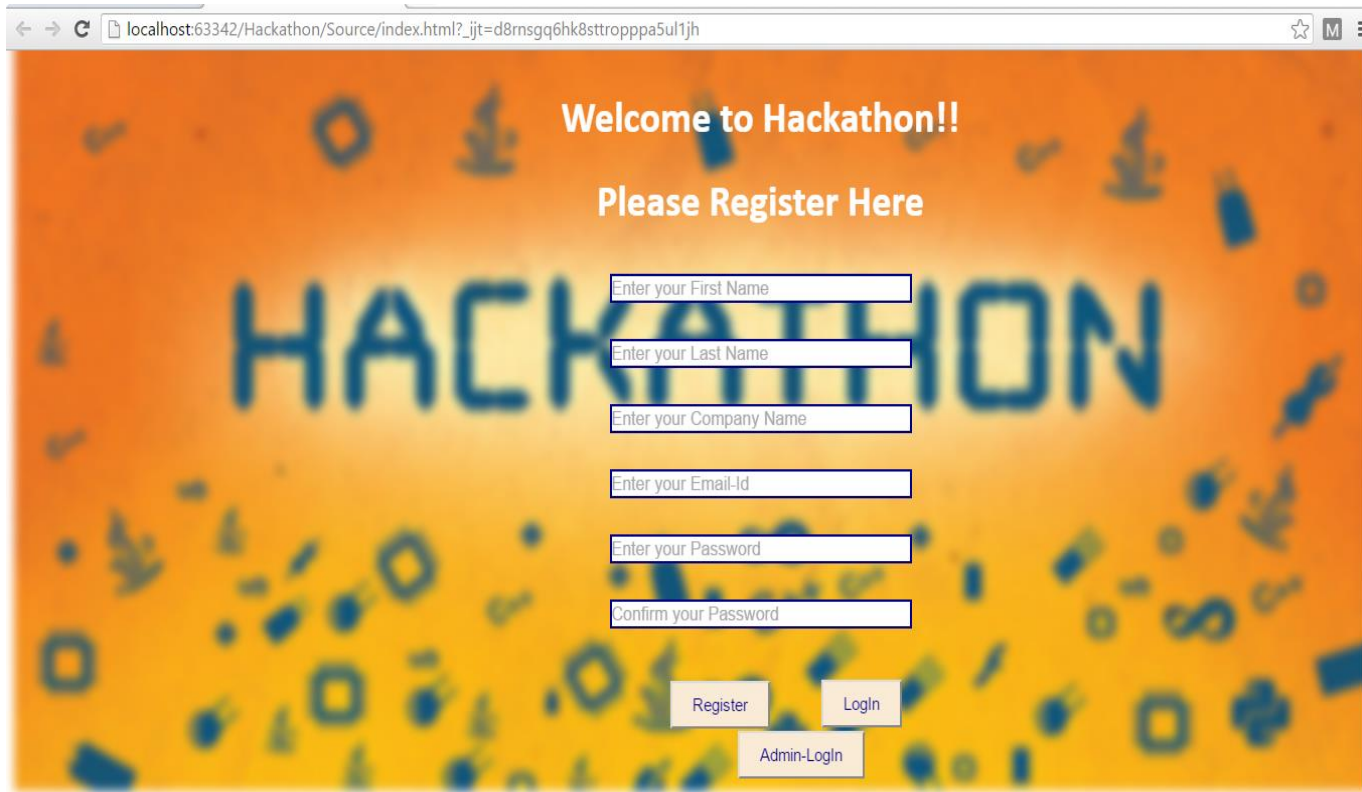
- Judge needs to REGISTER by providing details like his First name, Last name, Company name, Email-Id, Password and Confirm Password.
- Judge can login into the web-application with his email-id and password.
- Judge can give scores to the teams based on various factors like User Experience, Collaboration, Innovation, Code Quality, Originality, Design, Functionality and Integration of Technology.
- Judge can give comments to the teams based on their performance.
- Judge can update the scores of teams throughout the event.
- Judge can disqualify the team in case of cheating.
- Judge can have Bar-Chart view of the final result.

Roles of Admin

- Admin can Login into the web-application.
- Admin can Add a new team.
- Admin can Delete a team.
- Admin can have the Bar-chart view of the final result.

Registration

Judge can register in the web application using First name, Last name, Company name, Email Id, Password and Confirm Password.

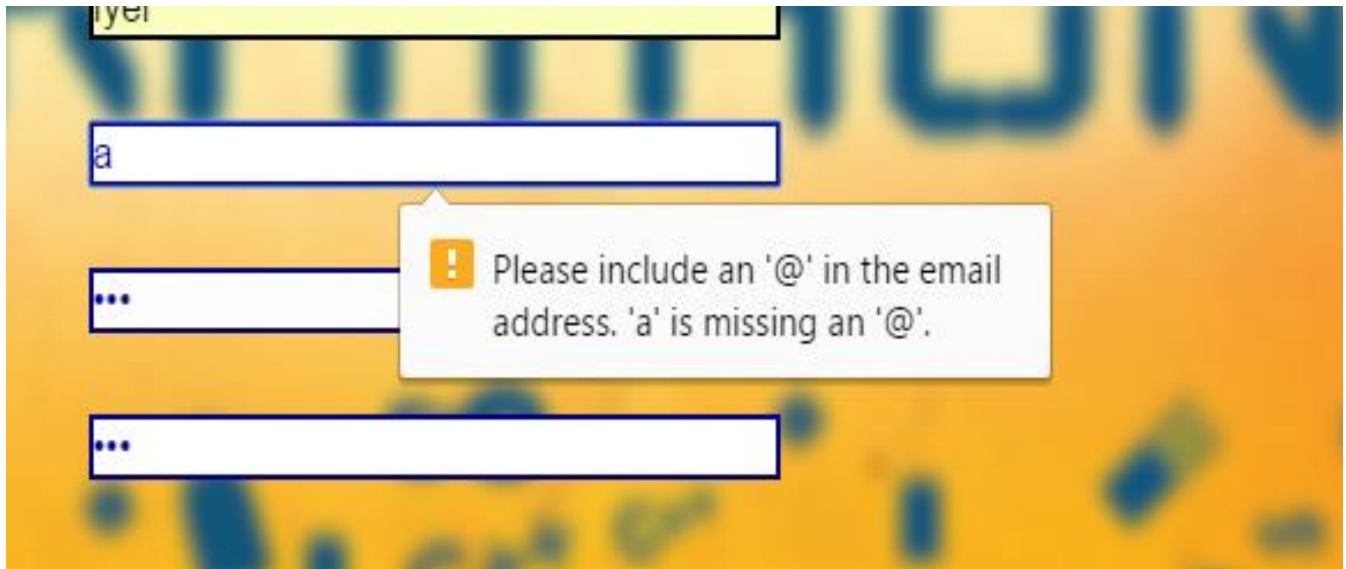


The screenshot shows a web browser window with the address bar displaying 'localhost:63342/Hackathon/Source/index.html?_ijt=d8rmsgq6hk8stropppa5ul1jh'. The page has an orange background with a large, faint 'HACKATHON' text and confetti. The registration form is centered and includes the following elements:

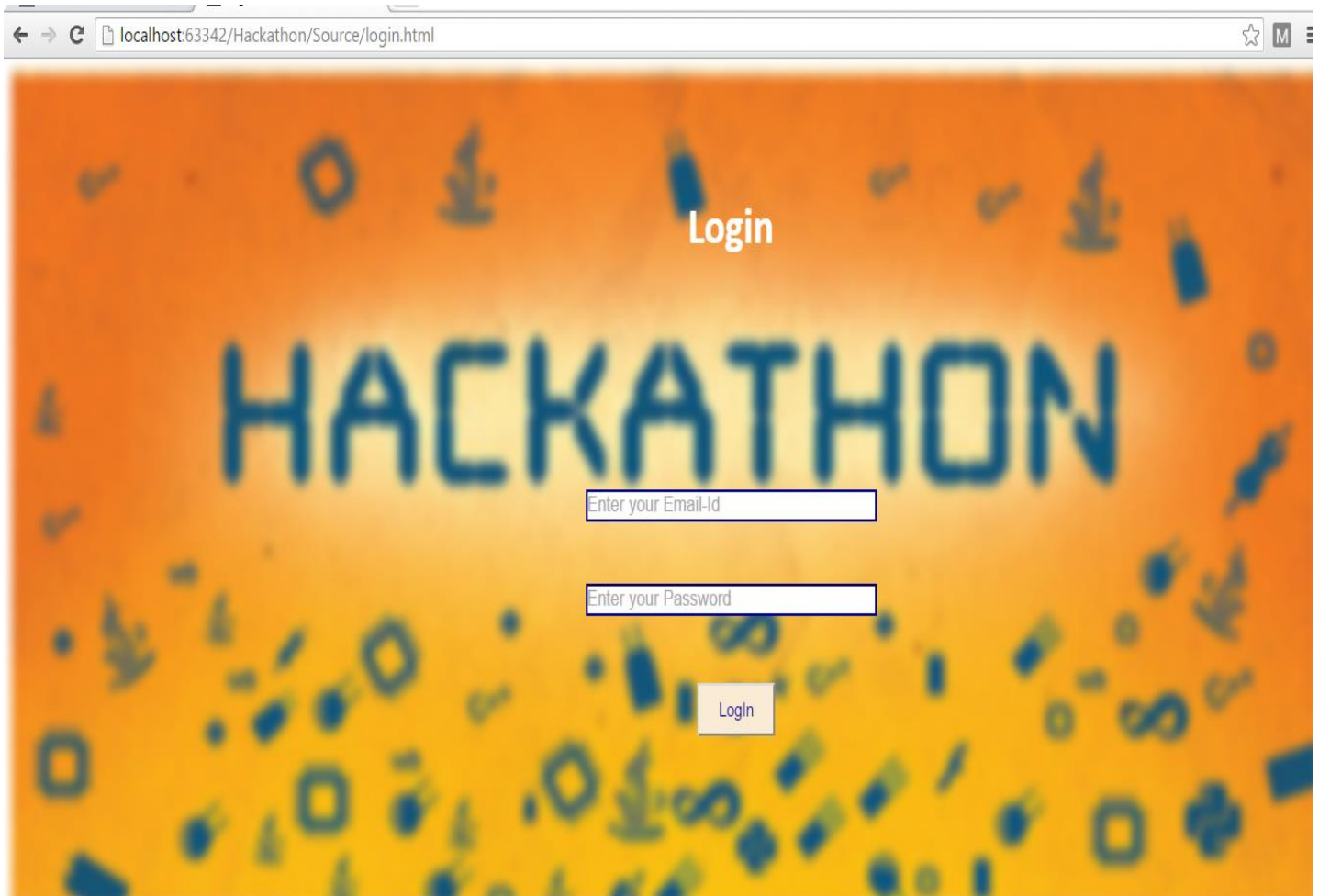
- Welcome to Hackathon!!**
- Please Register Here**
- Input fields for:
 - Enter your First Name
 - Enter your Last Name
 - Enter your Company Name
 - Enter your Email-Id
 - Enter your Password
 - Confirm your Password
- Buttons: **Register**, **Login**, and **Admin-Login**

Invalid Email-Id

Judge should enter valid email address otherwise there will be an error message.



Login Page



localhost:63342/Hackathon/Source/login.html

Login

HACKATHON

Enter your Email-Id

Enter your Password

Login

Scores Page

Judge can give scores and comments to the teams based on various criteria.

localhost:63342/Hackathon/Source/score.html

View Team Details Logout

Please Give Scores to the team

Enter ID to give scores

Enter Team Name

User Experience /10

Innovation /10

Collaboration /10

Originality /10

Code Quality /10

Design /10

Functionality /10

Design /10

Functionality /10

Integration of Technology /10 =

You give this team a total score of /80

Comment Enter Comment

Submit Give Scores to Other Team

Proceed

Allocation of Scores By Judges

Judge have entered scores to Team- TeamKnights. The total score is calculated automatically as the judge give scores to each criteria. The judge can enter the final calculated score and comment about the team performance.

5828c47528afa019b0ddca3

TechKnights

User Experience	9
Innovation	8
Collaboration	9
Originality	9
Code Quality	10
Design	9
Functionality	10
Integration of Technology	9

= 73

You give this team a total score of 73

Comment Very good

View Team Details After Giving Scores

View Team Details

Logout

_id	Team_Name	User_Experience	Innovation	Collaboration	Originality	Code_Quality	Design	Functionality	Integration_of_Technology	Total_Score	comme
5828c4c528afa019b0ddca3b	Kangaroo	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefin
5828c4d128afa019b0ddca3c	TechMinions	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefin
5828dbdc3568582b7403507f	CodeBreakers	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefin
5828dbe43568582b74035080	RooHackers	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefin
5828dc053568582b74035081	CrazyCoders	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefin
5828c47528afa019b0ddca3a	TechKnights	9	8	9	9	10	9	10	9	73	Very Good

Enter Team ID to Disqualify

Disqualify the Team

Enter ID to Update Scores

Team Name

User Experience

/10

Innovation

/10

Collaboration

/10

Originality

/10

Code Quality

/10

The judge can click on 'View Team Details' to get the complete list of teams, their scores and comments. The teams that are yet to be judged and given scores are 'undefined'.

Disqualify Team

View Team Details

Logout

_id	Team_Name	User_Experience	Innovation	Collaboration	Originality	Code_Quality	Design	Functionality	Integration_of_Technology	Total_Score	comment
5828c4d128afa019b0ddca3c	TechMinions	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined
5828dbdc3568582b7403507f	CodeBreakers	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined
5828dbe43568582b74035080	RooHackers	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined
5828dc053568582b74035081	CrazyCoders	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined
5828c47528afa019b0ddca3a	TechKnights	9	8	9	9	10	9	10	9	73	Very Good

5828c4c528afa019b0ddca3f

Disqualify the Team

The judge can disqualify a team in case the judge wants to disqualify a team. The judge can do so by entering the team Id.

Update Scores of a Team

The screenshot shows a web form for updating team scores. At the top, there is a text input field containing the team ID '5828c4d128afa019b0ddca3'. Below this is a label 'Team Name' followed by a text input field containing 'TechMinions'. A list of criteria with corresponding score input fields follows: 'User Experience' (2), 'Innovation' (3), 'Collaboration' (4), 'Originality' (5), 'Code Quality' (6), 'Design' (5), 'Functionality' (4), and 'Integration of Technology' (3). To the right of the 'Integration of Technology' score is an equals sign and a text input field containing '32'. Below this is a label 'You give this team a total score of' followed by a text input field containing '32'. A 'Comment' label is followed by a large text area containing 'Can be improved'. At the bottom is a button labeled 'Update Team Details'.

Criteria	Score
User Experience	2
Innovation	3
Collaboration	4
Originality	5
Code Quality	6
Design	5
Functionality	4
Integration of Technology	3

Total Score: 32

Comment: Can be improved

Update Team Details

The judge can update the scores of a particular team by entering the team ID and team name. The Judge will enter new scores and comments for the team. Here, the judge is updating the scores for team: 'TechMinions'.

Scores Updated

View Team Details											Logout
_id	Team_Name	User_Experience	Innovation	Collaboration	Originality	Code_Quality	Design	Functionality	Integration_of_Technology	Total_Score	comment
5828dbdc3568582b7403507f	CodeBreakers	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined
5828dbe43568582b74035080	RooHackers	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined
5828dc053568582b74035081	CrazyCoders	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined
5828c47528afa019b0ddca3a	TechKnights	9	8	9	9	10	9	10	9	73	Very Good
5828c4d128afa019b0ddca3c	TechMinions	2	3	4	5	6	5	4	3	32	Can be improved

Enter Team ID to Disqualify

Disqualify the Team

5828c4d128afa019b0ddca3c

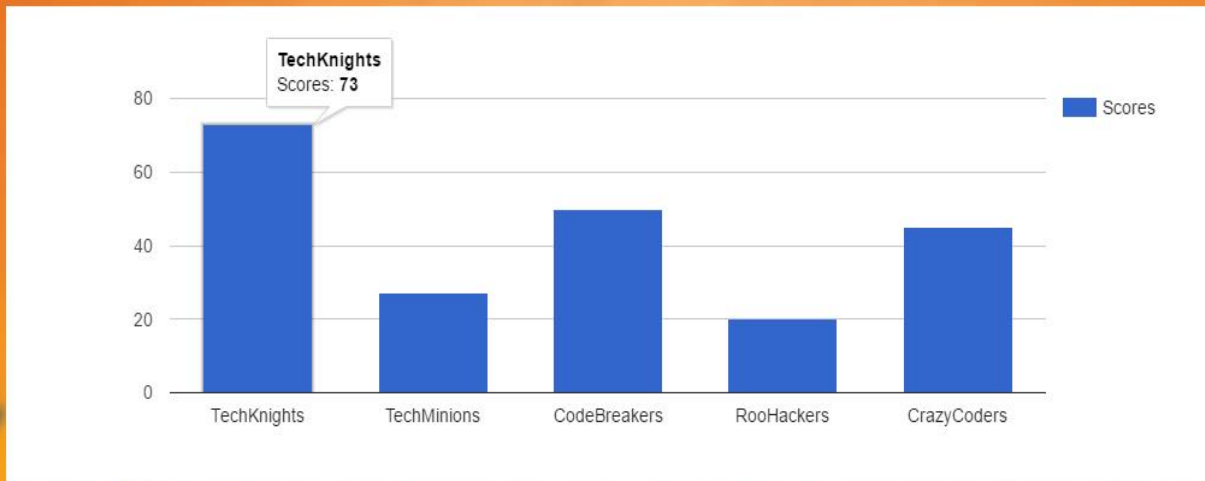
Team Name

TechMinions

The judge can view the updated scores by clicking on ‘View Team Details’. Here, the scores of TechMinions have been updated.

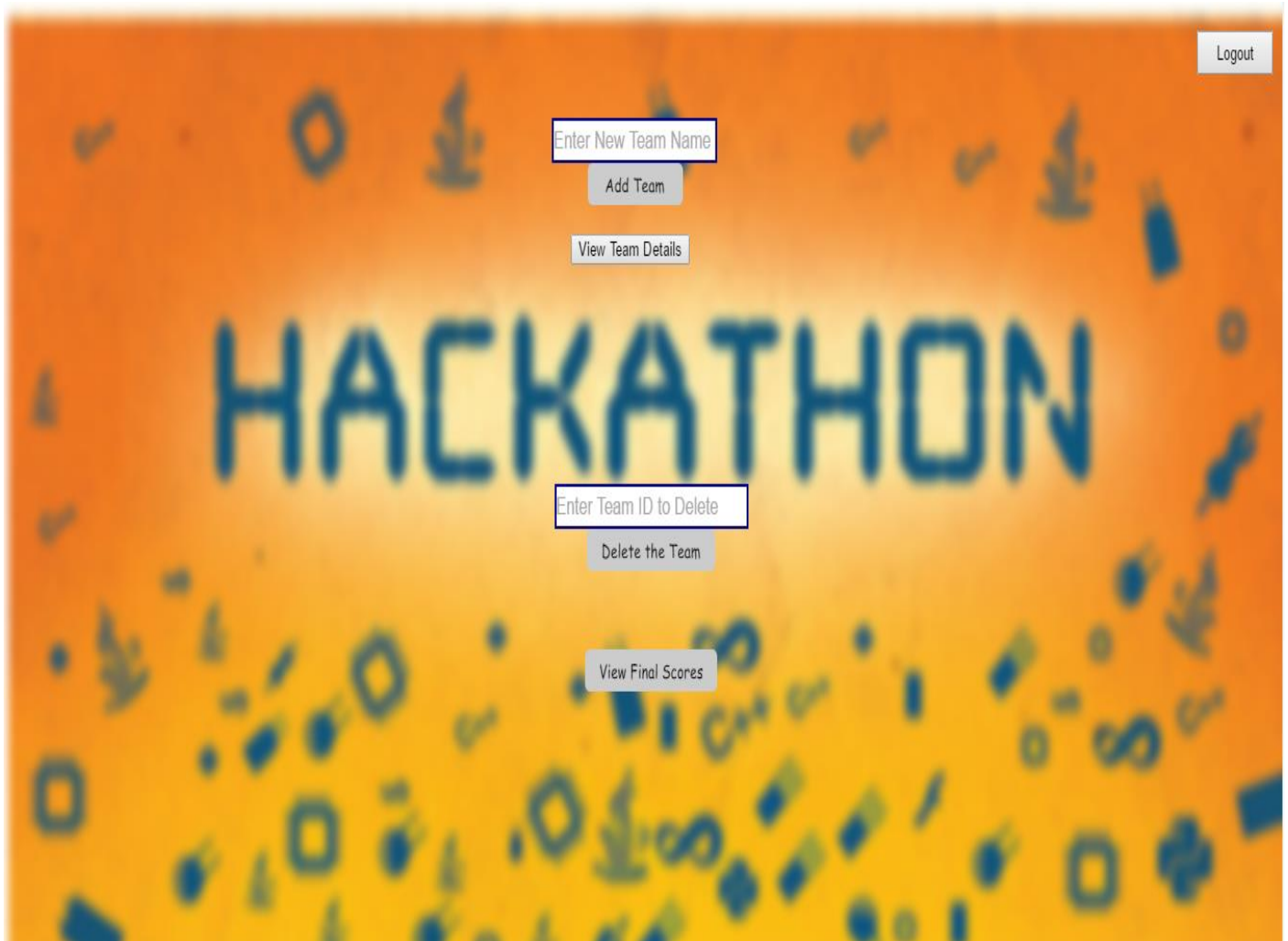
Final Result

Final Scores



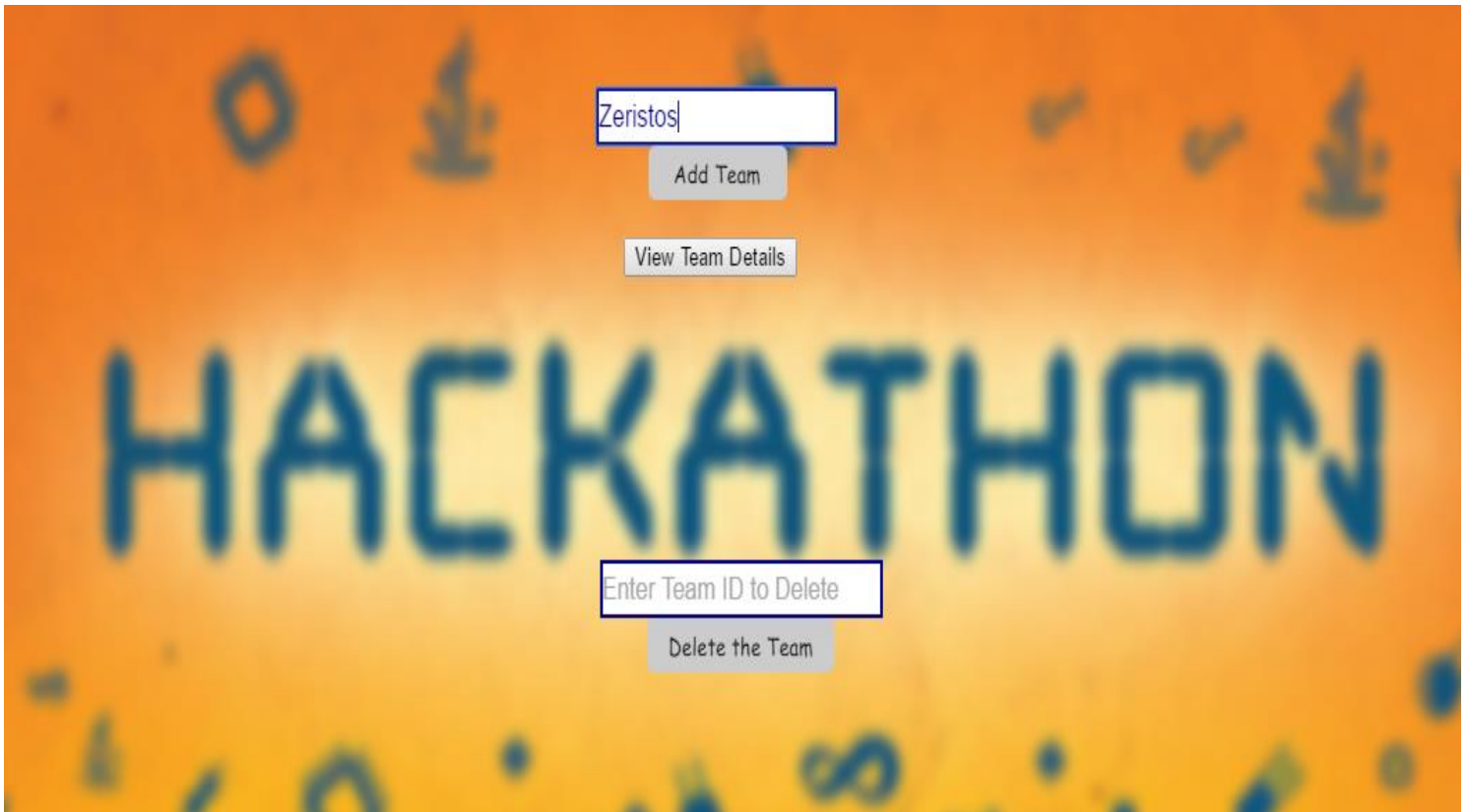
Similarly, the judge will give scores to all the teams. Final Result are visible in Bar-Chart using Google Chart API. When we move the cursor on top of the bar, judge can see the final calculated score of that particular team.

Admin View of Scoring Web-Application



Admin can login into the scoring web-application. The admin will then be directed to the above page where admin can either add or delete a team. Admin can also view final scores of all the teams.

Add New Team- by Admin



The screenshot shows a web interface with an orange background featuring the word "HACKATHON" in large, blue, stylized letters. At the top, there is a text input field containing the text "Zeristos". Below this field is a grey button labeled "Add Team". Underneath the "Add Team" button is another grey button labeled "View Team Details". Further down, there is another text input field containing the text "Enter Team ID to Delete". Below this field is a grey button labeled "Delete the Team".

Admin here adds a new team- 'Zeristos' and then clicks on 'Add Team' button.

New Team Added

Logout

Zeristos

Add Team

View Team Details

_id	Team_Name	User_Experience	Innovation	Collaboration	Originality	Code_Quality	Design	Functionality	Integration_of_Technology	Total_Score	comment
5828dbdc3568582b7403507f	CodeBreakers	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined
5828dbe43568582b74035080	RooHackers	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined
5828dc053568582b74035081	CrazyCoders	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined
5828c47528afa019b0ddca3a	TechKnights	9	8	9	9	10	9	10	9	73	Very Good
5828c4d128afa019b0ddca3c	TechMinions	2	3	4	5	6	5	4	3	32	Can be improved
5828e3cc3568582b74035082	Zeristos	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined

Upon clicking on ‘View team details’ button, the admin can see the new team displayed in the table with scores yet to be assigned.

Delete Team- by Admin

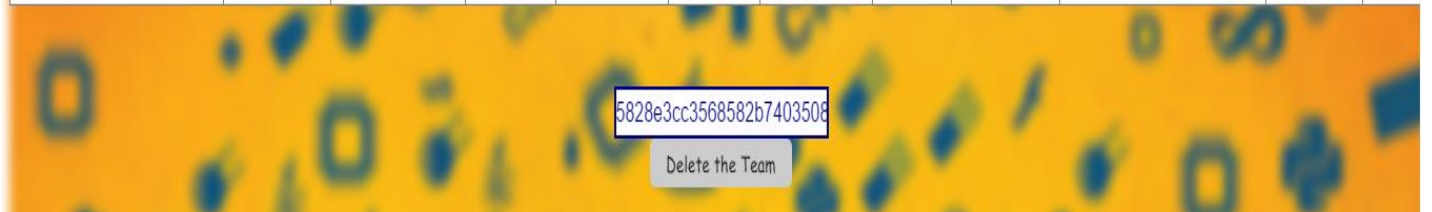
5828c4d128afa019b0ddca3c	TechMinions	2	3	4	5	6	7	8
5828e3cc3568582b74035082	Zeristos	undefined	undefined	undefined	undefined	undefined	undefined	undefined



The admin can enter the team ID to delete a particular team and then click on 'Delete the Team ' button.

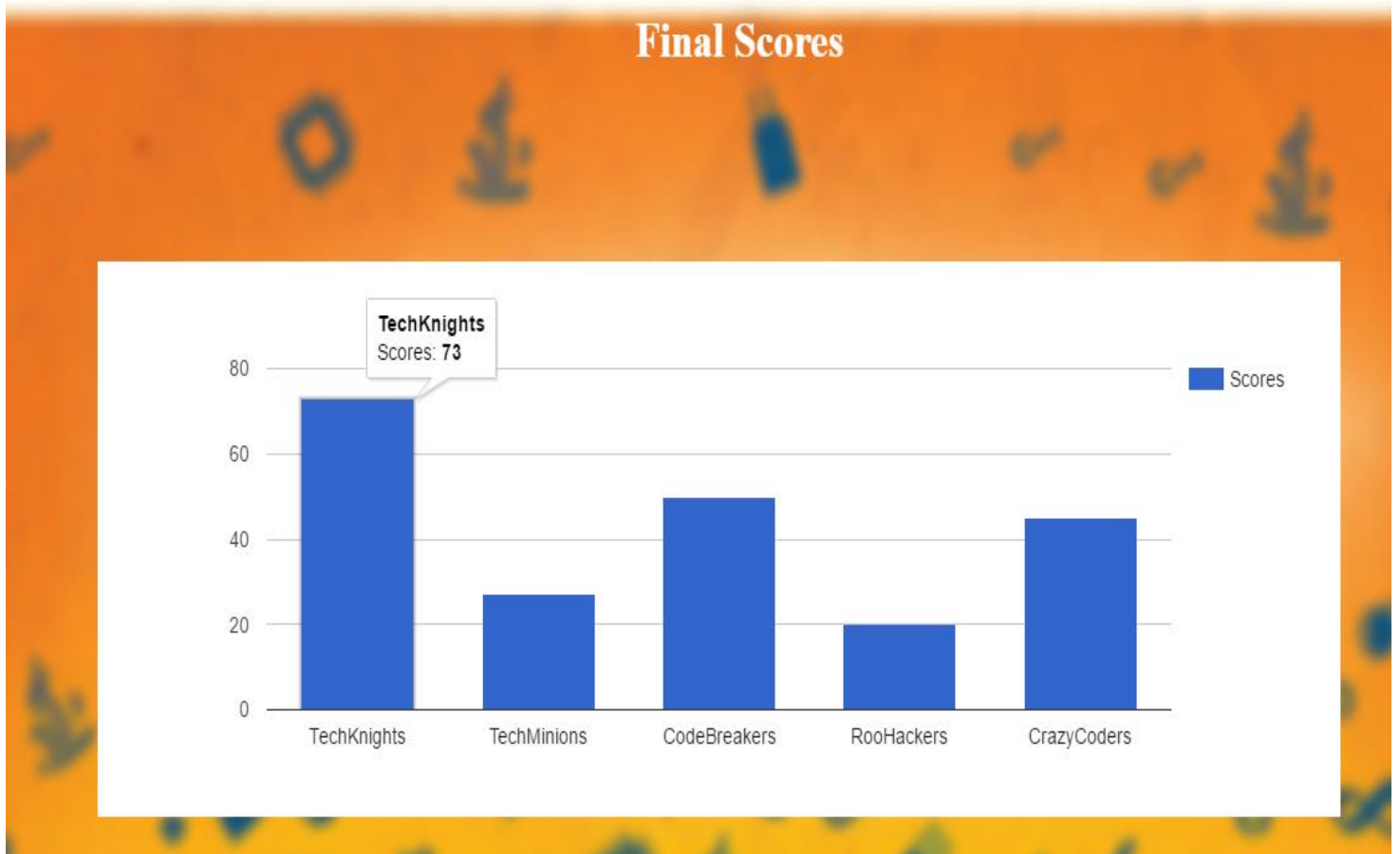
Team Deleted

_id	Team_Name	User_Experience	Innovation	Collaboration	Originality	Code_Quality	Design	Functionality	Integration_of_Technology	Total_Score	comment
5828dbdc3568582b7403507f	CodeBreakers	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined
5828dbe43568582b74035080	RooHackers	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined
5828dc053568582b74035081	CrazyCoders	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined	undefined
5828c47528afa019b0ddca3a	TechKnights	9	8	9	9	10	9	10	9	73	Very Good
5828c4d128afa019b0ddca3c	TechMinions	2	3	4	5	6	5	4	3	32	Can be improved



The judge can notice that team-‘Zeristos’ has been deleted.

Final Results view by Admin



The admin can view the final scores of all the teams.











MongoDB- Database

Start new search

All Documents

Display mode: ☒ list ☐ table ([edit table view](#))

records / page 10 [1 - 5 of 5]

<pre>{ "_id": { "\$oid": "5828dbdc3568582b7403507f" }, "Team_Name": "CodeBreakers" }</pre>	 
<pre>{ "_id": { "\$oid": "5828dbe43568582b74035080" }, "Team_Name": "RooHackers" }</pre>	 
<pre>{ "_id": { "\$oid": "5828dc053568582b74035081" }, "Team_Name": "CrazyCoders" }</pre>	 
<pre>{ "_id": { "\$oid": "5828c47528afa019b0ddca3a" }, "Team_Name": "TechKnights", "User_Experience": "9", "Innovation": "8", }</pre>	 
<pre>{ "_id": { "\$oid": "5828c4d128afa019b0ddca3c" }, "Team_Name": "TechMinions", "User_Experience": "2", "Innovation": "3", }</pre>	 

records / page 10 [1 - 5 of 5]

in mLab).
You can also
from here.
supported i
shell).

This is MongoDB database with collection 'Hackathon' and all the team details with scores and comments.