



Prolysis

Programming Analysis Platform

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Problem Statement



Status: **Compiled successfully. All available test cases passed.**

Test case 0 ✓	<p>Compiler Message</p> <p>Success</p> <p>Your Output (stdout)</p> <p>Output hidden</p>
Test case 1 ✓	
Test case 2 ✓	
Test case 3 ✓	

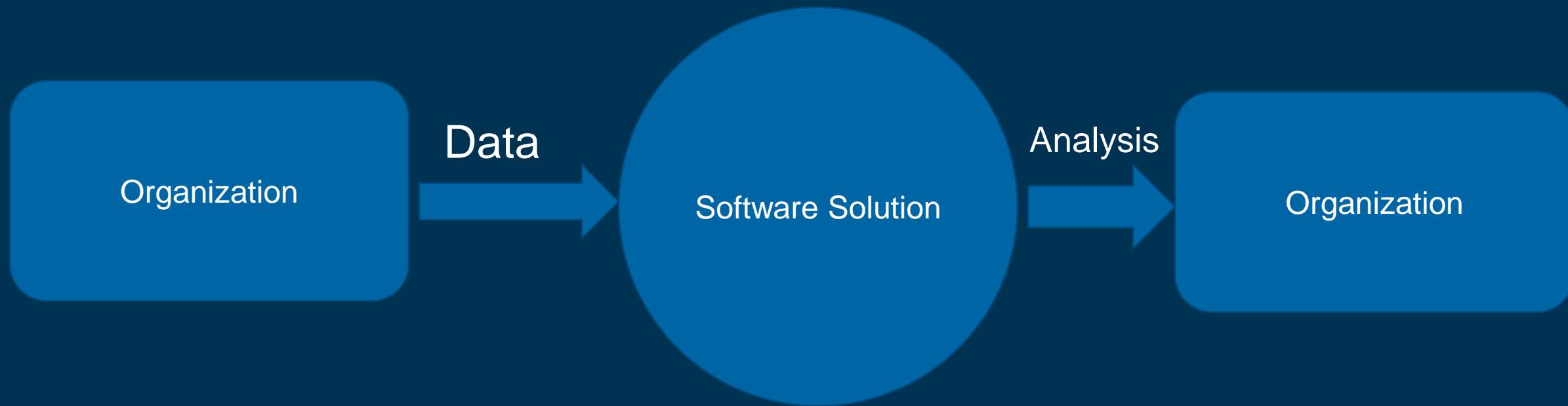


Solution

Prolysis

A software which provides and documents real-time analytics of participants in a coding competition to gain better insight into their performance throughout the competition and make data-driven decisions.

Solution



Backend Developer

Role Bharat Bhalla

- Designing Database
- Documentation
- Agile Development
- Time Manger& Strategic Decision Maker

Backend Development

Bharat Bhalla

Technical Stack

Database :



Server :



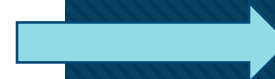
Backend System



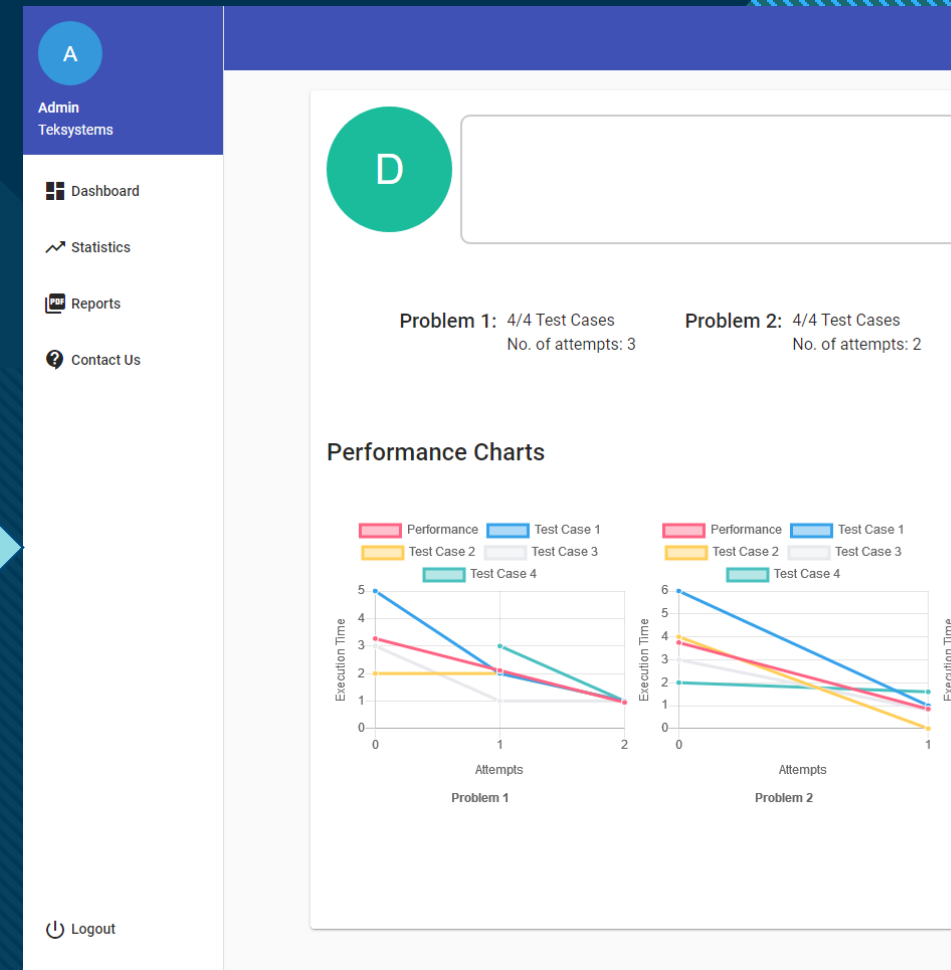
API KEY



JSON



Server



Dashboard

APIs

FILE	PORT				
Index.js	3000			Discription	
		/Scene1/:contestID	GET	[{"uName":"Dhaval","uID":123},{"uName":"Bharat","uID":12}...]	
		/Scene1/:contestID/:uID	GET	graph.json	
		/TimeTaken/:uID/:cID/:pID	POST	Accepts TestCase in Header Even followed by done done	
RESTContest.js	3001	/listOfContest	GET	getAllContestNames.json	
		/createContest/:cID	POST	Create a contest & accepts data in URL after ?	?cName=solve1&cDate=20190312&cTime=1706&cDuration=50
		/getContest/:cID	GET	Gets Contest Info	
		/deleteContest/:cID	DELETE	Deletes Contest	
RESTExecutionTimeTake n.js	3002				
RESTProblem.js	3003	/createProblem/:pID	POST	creates a 'problem' in database by using json createProblem.json	
RESTUser.js	3004	/user/:uID	POST	Creates a user with uID & accpets data in URL after ?	?uEmail=bhartubhalla@gmail.com&uName=Bharat Bhalla
		/user/:uID	DELETE	Delets a particular user	
		/user/:uID	GET	Gets the user info with specified Id	
		/linkUserContest/:uID/:cID	POST	Links User & contest	
RESTcontestproblem.js	3005	/linkContestProblem/:cID	POST	Links contest and problem & Accepts a linkContestProblem.json	

Frontend

- Tech Stack
- UI/UX
- Implementation

Tech Stack



Angular 7



HTML



CSS



JavaScript



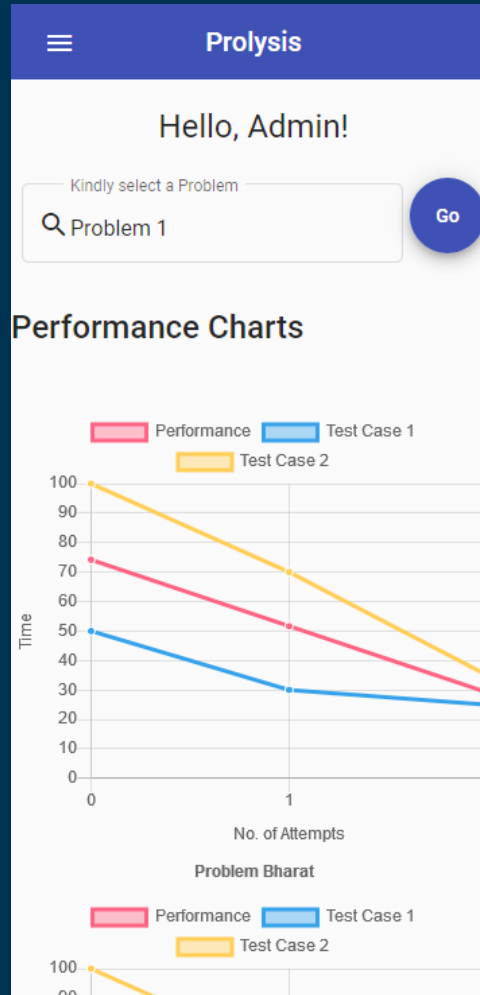
Bootstrap

User Interface and Experience

UI/UX | Contest Wise Analysis

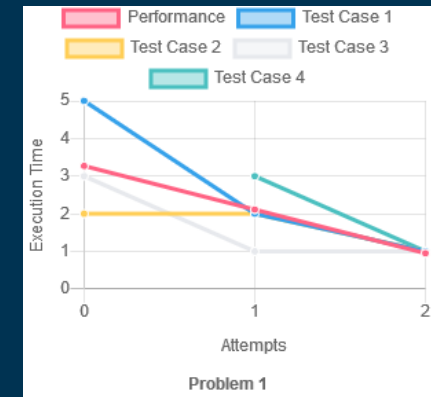
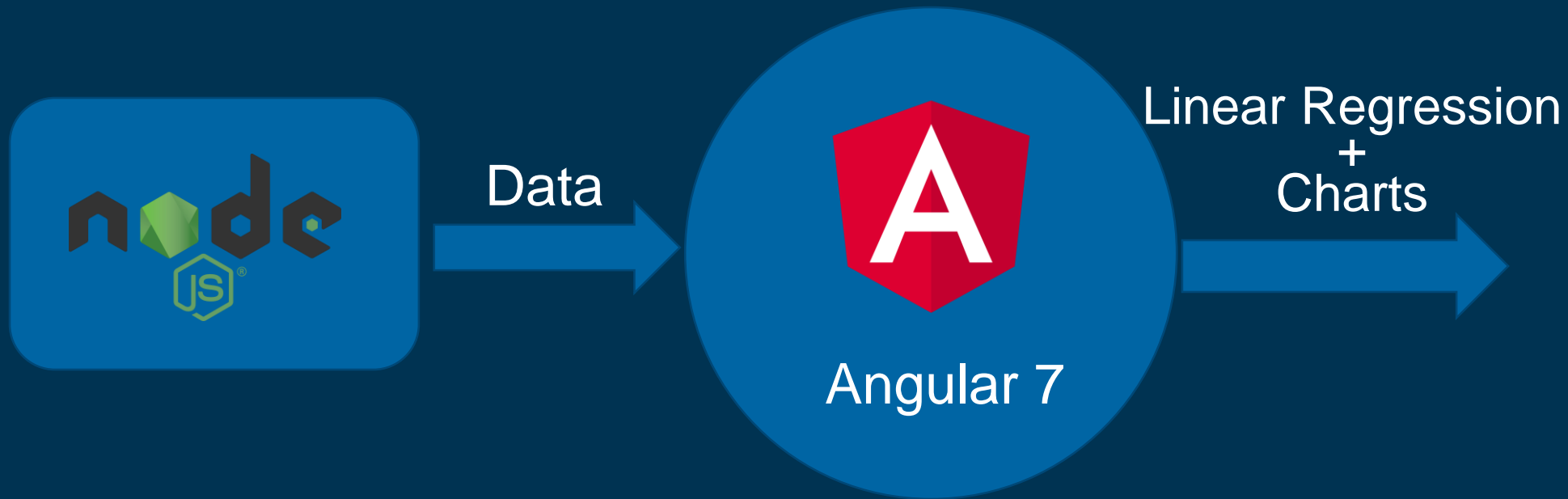


UI/UX | Responsive Layout



Implementation

Implementation



Proof Of Work

Dhaval Srivastava

Seen 9 hours ago | Gallery | Find



Dhaval, 18:05

Okay



18:05
Call 1h 48m 28s

19:54
Call ended 1h 48m 28s

22:01
Call 31s

23:05
Call 27s

Yesterday

10:54
Call 53s

11:06
Call 6m 43s

11:06

Teksystems

Bharat

Threads

Channels

general

mission-teksystems

random

+ Add a channel

Direct Messages

Slackbot

Bharat (you)

Dhaval Srivastava

+ Invite people

Apps

+ Install Google Drive

+ Add apps

Slack needs your permission to [enable desktop notifications](#).

#mission-teksystems

2 | 0 | Add a topic

14 uid cid pid testid time
15

Today



Bharat 7:22 PM

```
{"graphID": "1", "x": "abc", "y": "vbg", "data": [{}, {}, {}]}
```

Untitled

```
1 {"graphID": "1", "x": "abc", "y": "vbg", "data": [{}, {}, {}]}
```



Dhaval Srivastava 7:48 PM

Untitled

```
1 Deliverable 1 (Graphs)
2
3 Displaying all the usernames in a given contestID (as
4 Click on the username
5 - Open Profile (ID, Name, Email ID)
```

+ Click to expand inline (17 lines)

Zip



ProgrammingAnalysis.zip

8 kB Zip











Proof Of Work

GitHub, Inc. [US] | github.com/TechnicaVoyage/Prolysis/commits/master

marks Google Facebook New Tab Welcome to Facebo... Welcome to Facebo... Resa H Customize and dow... Post Malone Feat. 2... W webdevbo

Branch: master ▾

Commits on Aug 29, 2019

Merge pull request #4 from bharatbhallaCoder/master ... TechnicaVoyage committed 10 hours ago	Verified	 bd6b213	
Integration of Backend and Frontend ... bharatbhallaCoder committed 10 hours ago		 e994a97	
Merge pull request #3 from TechnicaVoyage/backend ... TechnicaVoyage committed 11 hours ago	Verified	 d626001	
Merge pull request #2 from TechnicaVoyage/frontend ... TechnicaVoyage committed 11 hours ago	Verified	 24b61d7	
Implemented APIs and removed unused imports TechnicaVoyage committed 11 hours ago		 6d437a5	

Roadmap

Roadmap

- Increase security and robustness
- Use AI to predict the performance based on his/her historical data
- Launch mobile app on Android and iOS
- Add a portal for each programmer profile for personal analysis

Future Plans

Future Plans

- Integrate it with every online coding platform to gather statistics and provide analysis
- Take into account the multiple parameters (coding language etc.) to provide accurate result
- Analysis of programming platform and examination patterns



Thank You