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Introduction

A general description about the project and Hire-me Coder









This project is a web-based application and obtained both administrator and interviewees.



The main purpose of this project is to develop a system which can check the candidate coding ability could that can match the Maptek requirement.

Candidates have particular time period to complete the online test.

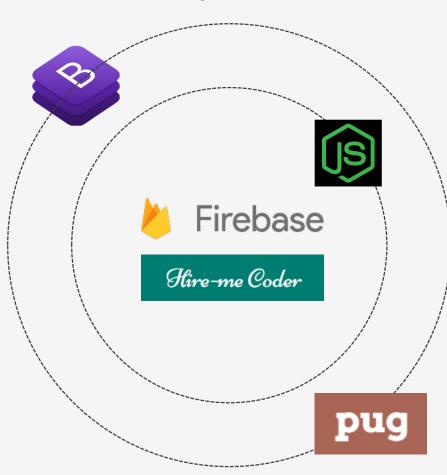


Administrators can have access to verify the candidate answers

Technology Kits

Technology used in developing the Hire-me Coder

Development Tools



- Frontend: PUG & Bootstrap
- Backend: Node.JS
- Database: Firebase

Cooperative Tools





- Communication: Slack
- Kanban & To-do list: Trello



Project Process

The detailed processes of the whole project



Week 1-3
Sprint 1
Project Conception and Initiation

Week 7-9
Sprint 3
Milestone 1

Week 4-6
Sprint 2
Project Definition and Planning

Week 10-12 Sprint 4 Milestone 2

Project Process

The detailed processes of the whole project

| | TASK TITLE | START DATE | E DUE DATE | DURATION | PCT OF TASK COMPLETE | Sprint 1 | | | | | | | | | | | | | | |
|--------|--|------------|------------|----------|-------------------------|----------|---|---|---|------|---|---|------|---|---|--------|---|---|---|---|
| NUMBER | | | | | | WEEK 1 | | | | | | ٧ | WEEK | 2 | | WEEK 3 | | | | |
| | | | | | | М | Т | w | R | F | М | Т | w | R | F | М | Т | W | R | F |
| 1 | Project Conception and Initiation | | | | | | | | | | | | | | | | | | | |
| 1.1 | Project Briefing | 30/07/19 | 30/07/19 | 0 | 100% | Г | | Г | | GI . | | | | | | | П | | | |
| 1.1.1 | Project Allocation | 01/08/19 | 01/08/19 | 0 | 100% | | | | | | | | | | | | | | | |
| 1.2 | Group Allocation | 05/08/19 | 07/08/19 | 2 | 100% | | | | | | | | | | | | | | | |
| 1.3 | Background Research | 08/08/19 | 13/08/19 | 5 | 100% | | | | | | | | | | | | | | | |
| 1.4 | Team Internal Meeting | 09/08/19 | 09/08/19 | 0 | 100% | | | | | | | | | | | | | | | |
| 1.5 | Project Specification | 14/08/19 | 14/08/19 | 0 | 100% | | | | | | | | | | | | | | | |
| 2 | Project Definition and Planning | | | | | | | | | | | | | | | | | | | |
| 2.1 | Scope and Goal Setting | 19/08/19 | 20/08/19 | 1 | 100% | Г | | П | П | | | | | | | | | | | |
| 2.2 | Software Project Management Plan Draft | 13/08/19 | 20/08/19 | 7 | 100% | | | | | | | | | | | | | | | |
| 2.2 | Software Project Management Plan Draft | 13/08/19 | 20/08/19 | 7 | 100% | | | | | | | | | | | | | | | |
| 2.1 | Scope and Goal Setting | | 20/08/19 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

Sprint 1

Sprint 2

| | TASK TITLE | START DATE | E DUE DATE | DURATION | PCT OF TASK COMPLETE | Sprint 2 | | | | | | | | | | | | | | |
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| NUMBER | | | | | | | ١ | VEEK | 4 | | | ν | /EEK | 5 | | WEEK 6 | | | | |
| | | | | | | М | т | W | R | F | М | Т | w | R | F | М | т | w | R | F |
| 2 | Project Definition and Planning | | | | | | | | | | | | | | | | | | | |
| 2.1 | Scope and Goal Setting | 19/08/19 | 20/08/19 | 1 | 100% | | | | П | Г | | | | | | | | | | |
| 2.2 | Software Project Management Plan Draft | 13/08/19 | 20/08/19 | 7 | 100% | | | | | | | | | | | | | | | |
| 2.3 | Software Requirement Specification Draft | 19/08/19 | 26/08/19 | 7 | 100% | | | | | | | | | | | | | | | |
| 2.4 | Software Design Document Draft | 26/08/19 | 02/09/19 | 6 | 100% | | | | | | | | | | | | | | | |
| 2.5 | Configuration Management Plan Review | 20/08/19 | 30/08/19 | 10 | 100% | | | | | | | | | | | | | | | |
| 2.6 | Risk Management Plan Review | 20/08/19 | 30/08/19 | 10 | 100% | | | | | | | | | | | | | | | |
| 2.7 | Project Management Plan Review | 20/08/19 | 30/08/19 | 10 | 100% | | | | | | | | | | | | | | | |
| 2.8 | Software Requirement Specification Review | 26/08/19 | 06/09/19 | 10 | 100% | | | Г | | | | | | | | | | | | |
| 2.9 | System Development Planning (Functions) | 19/08/19 | 23/08/19 | 4 | 100% | | | | | | | | | | | | | | | |
| 2.9.1 | System Development Planning (Technology) | 19/08/19 | 23/08/19 | 4 | 100% | | | | | | | | | | | | | | | |
| 9.2 ° | System UI Design | 19/08/19 | 23/08/19 | 4 | 100% | | | | | | | | | | | | | | | |
| 2.9.2 | System UI Design | 19/08/19 | 23/08/19 | 4 | 100% | | | | | | | | | | | | | | | |
| | | | | 4 | | | | | | | | | | | | | | | | |
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Project Process

The detailed processes of the whole project

| NUMBER | TASK TITLE | START DATE | E DUE DATE | DURATION | PCT OF TASK COMPLETE | Sprint 3 | | | | | | | | | | | | | | |
|--------|--|------------|------------|----------|-------------------------|----------|---|------|---|---|--------|---|---|---|---|---|---|-----|---|---|
| | | | | | | | ١ | WEEK | 7 | | WEEK 8 | | | | | | W | EEK | 9 | |
| | | | | | | М | Т | w | R | F | М | Т | w | R | F | М | Т | w | R | F |
| 3 | Milestone1 | | | | | | | | | | | | | | | | | | | |
| 3.1 | Software Design Document Review | 09/09/19 | 13/09/19 | 4 | 100% | | | | | | | | | | | | | | | |
| 3.2 | Milestone1 Presentation Slides | 09/09/19 | 16/09/19 | 7 | 100% | | | | | | | | | | | | | | | |
| 3.3 | Backend Database Building | 09/09/19 | 13/09/19 | 4 | 100% | | | | | | | | | | | | | | | |
| 3.3.1 | Frontend Administrator And Candidate Page Development | 09/09/19 | 13/09/19 | 4 | 100% | | | | | | | | | | | | | | | |
| 3.3.2 | Frontend Interation Logic Development | 09/09/19 | 13/09/19 | 4 | 100% | | | | | | | | | | | | | | | |
| 3.3.3 | Backend User Module Development (Register and Login) | 10/09/19 | 17/09/19 | 7 | 100% | | | | | | | | | | | | | | | |
| 3.3.4 | Backend Test Module Development (Create and Manage) | 10/09/19 | 17/09/19 | 7 | 100% | | | | | | | | | | | | | | | |
| 3.3.5 | Testing Cases Design | 12/09/19 | 18/09/19 | 6 | 100% | | | | | | | | | | | | | | | |
| 3.3.6 | Functional Tests | 19/09/19 | 25/09/19 | 6 | 100% | | | | | | | | | | | | | | | |
| 3.3.6 | Functional Tests | 19/09/19 | 25/09/19 | 6 | 100% | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
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Sprint 3

Sprint 4

| | TASK TITLE | START DATE | DUE DATE | DURATION | PCT OF TASK COMPLETE | Sprint 4 | | | | | | | | | | | | | | |
|--------|---|------------|----------|----------|-------------------------|----------|---|------------|-----|----------|---------|---------|---|-----|---|---|---|---|---|---|
| NUMBER | | | | | | | | W | EEK | 11 | | WEEK 12 | | | | | | | | |
| | | | | | | М | Т | w | R | F | М | Т | w | R | F | М | Т | w | R | F |
| 4 | Milestone2 | | | | | | | | | | | | | | | | | | | |
| 4.1 | Testing Review | 30/09/19 | 12/10/19 | 12 | 100% | | | | | | | | | | | Г | | | | |
| 4.2 | Code Review | 30/09/19 | 12/10/19 | 12 | 100% | | | | | | | | | | | | | | | |
| 4.3 | Frontend UI Optimization | 30/09/19 | 10/10/19 | 10 | 100% | | | | | | | | | | | | | | | |
| 4.3.1 | Backend User Module Optimization | 30/09/19 | 10/10/19 | 10 | 100% | | | | | | | | | | | | | | | |
| 4.3.2 | Backend Test Module Optimization | 30/09/19 | 10/10/19 | 10 | 100% | | | | | | | | | | | | | | | |
| 4.4 | Software Project Management Plan Final Version | 15/10/19 | 27/10/19 | 12 | 100% | | | | | | | | | | | | | | | |
| 4.5 | Software Design Document Final Version | 15/10/19 | 27/10/19 | 12 | 100% | | | | | | | | | | | | | | | |
| 4.6 | Software Requirement Specification Final Version | 15/10/19 | 27/10/19 | 12 | 100% | | | | | | | | | | | | | | | |
| 4.7 | Funtional & Integration Tests | 30/09/19 | 10/10/19 | 10 | 100% | | | | | | | | | | | | | | | |
| 5 | Delivery | | | | | | | Lacrations | | davenave | dammuzi | | | · · | | | | | | |
| 5 | Delivery | | | | | | | | | | | | | | | | | | | |
| | Funtional & Integration Tests | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 1 |
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User Journey

The experiences of users on the Hire-me Coder

User Journey

The experiences of users on the Hire-me Coder



Administrator question management

Question preparation

Question describe/File/Picture/Question dialog

Multiple questions

Administrator Test sending

Test setting

Candidate email

Multiple sending/Email syntax address verification

Question selecting Expiate date and time Email preview



Administrator User management

Adding new user

Active and deactivate

Users profile edit



Test email

Test link/Candidate account/Candidate password

Test page

Test notification/Due date alert/Answer saving/Answer submitting



User profile

Profile editing

First name and last name/Address cannot be modified

Rest Password

Password confirm/Twice input of new password

Forgot Password

Achievement

The achievements of milestones

| Milestone 1 | Status |
|---------------------------------|--------|
| Login system for administrators | Finish |
| Manage users in admin mode | Finish |
| Create questions and tests | Finish |
| Preview tests | Finish |

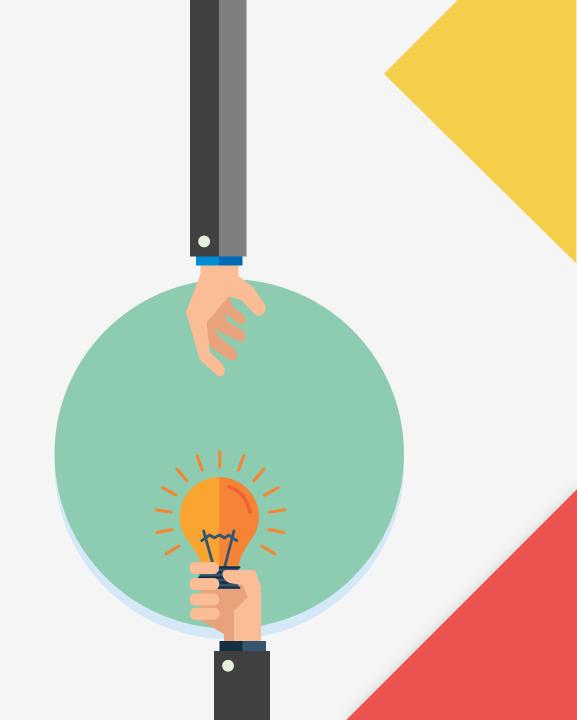
| Milestone 2 | Status |
|--|--------|
| Receive the email | Finish |
| Update the password | Finish |
| Attempt the tests and submit the tests | Finish |
| Save the test and attempt it again later | Finish |

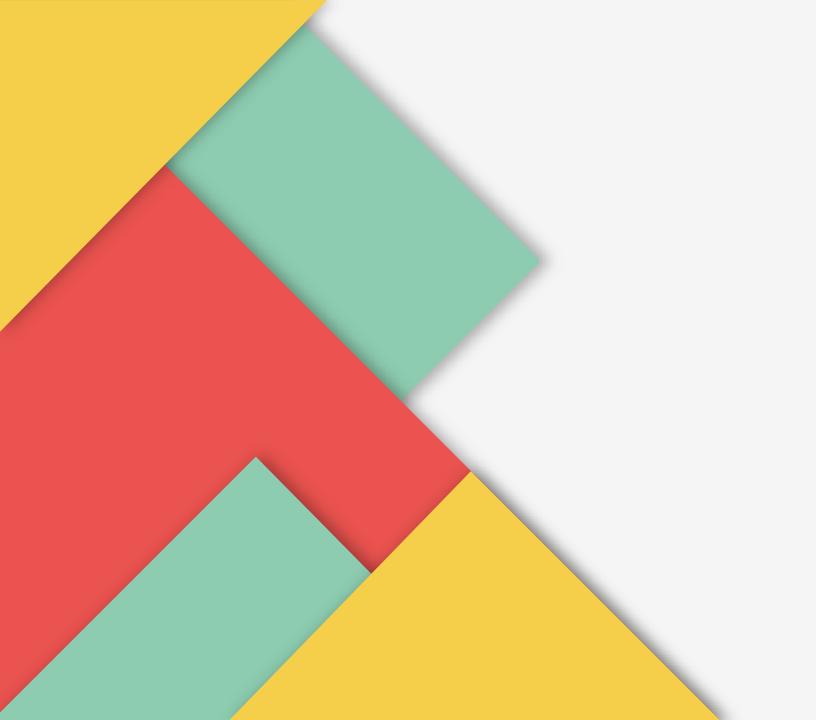


Conclusion

A conclusion of the project and further improvement

- This new solution is help to reduce the time for every individual person.
- Better utilization for both admin and candidate.
- Increase the candidate satisfaction and performance.
- Further we can implement video interview option, quick result for interviewee or candidate.





Hire-me Coder

Thank You

Group PG05