MapTek

Hire-me Coder

Group PG05

CONTENTS

1

Introduction

A general description about the project and Hire-me Coder

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

Candidates have particular time period to complete the online test.

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.

Administrators can have access to verify the candidate answers

2

Technology Kits

Technology used in developing the Hire-me Coder

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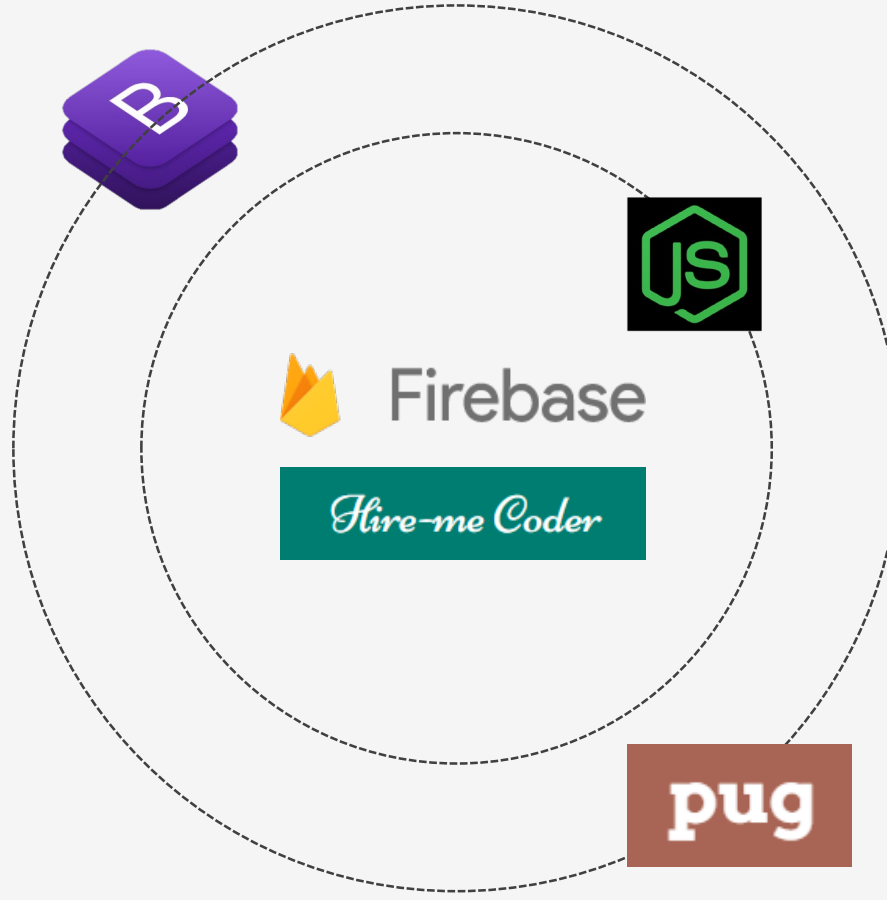
- Frontend: PUG & Bootstrap
- Backend: Node.JS
- Database: Firebase

Cooperative Tools

- Communication: Slack
- Cloud & Version control: GitHub
- Kanban & To-do list: Trello

3

Project Process

The detailed processes of the whole project

AGILE

Test
Deploy
Develop
Review
Requirements
Design

Product Backlog

1

Sprint Backlog

2

Scrum Methodology

Sprint Review Meeting Release

4

Sprint Week

3
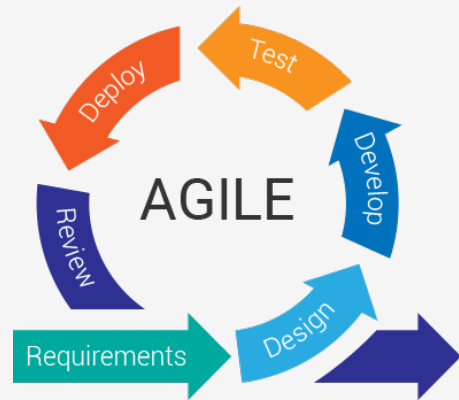
- Stand Up meetings with the client
- Internal meeting before Sprint
- Review meeting after Sprint

- **Process Model**

Project Process
The detailed processes of the whole project

Week 1-3
Sprint 1
Project Conception and Initiation

Week 4-6
Sprint 2
Project Definition and Planning

Week 7-9
Sprint 3
Milestone 1

Week 10-12
Sprint 4
Milestone 2

Sprint 5
Delivery

Sprint 1

NUMBER	TASK TITLE	START DATE	DUE DATE	DURATION	PCT OF TASK COMPLETE	Sprint 1														
						WEEK 1					WEEK 2					WEEK 3				
						M	T	W	R	F	M	T	W	R	F	M	T	W	R	F
1	**Project Conception and Initiation**																			
1.1	Project Briefing	30/07/19	30/07/19	0	100%															
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%															
2.2	Software Project Management Plan Draft	13/08/19	20/08/19	7	100%															

Sprint 2

NUMBER	TASK TITLE	START DATE	DUE DATE	DURATION	PCT OF TASK COMPLETE	Sprint 2														
						WEEK 4					WEEK 5					WEEK 6				
						M	T	W	R	F	M	T	W	R	F	M	T	W	R	F
2	**Project Definition and Planning**																			
2.1	Scope and Goal Setting	19/08/19	20/08/19	1	100%															
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%															
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%															
2.9.2	System UI Design	19/08/19	23/08/19	4	100%															

Sprint 3

NUMBER	TASK TITLE	START DATE	DUE DATE	DURATION	PCT OF TASK COMPLETE	Sprint 3														
						WEEK 7					WEEK 8					WEEK 9				
						M	T	W	R	F	M	T	W	R	F	M	T	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%															

Sprint 4

NUMBER	TASK TITLE	START DATE	DUE DATE	DURATION	PCT OF TASK COMPLETE	Sprint 4														
						WEEK 10					WEEK 11					WEEK 12				
						M	T	W	R	F	M	T	W	R	F	M	T	W	R	F
4	**Milestone2**																			
4.1	Testing Review	30/09/19	12/10/19	12	100%															
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**																			

4

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 management

Add questions to test

Update tests content

Delete tests

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

Candidate
Test Participating

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

5

Achievement

The achievements of milestones

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

- 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.
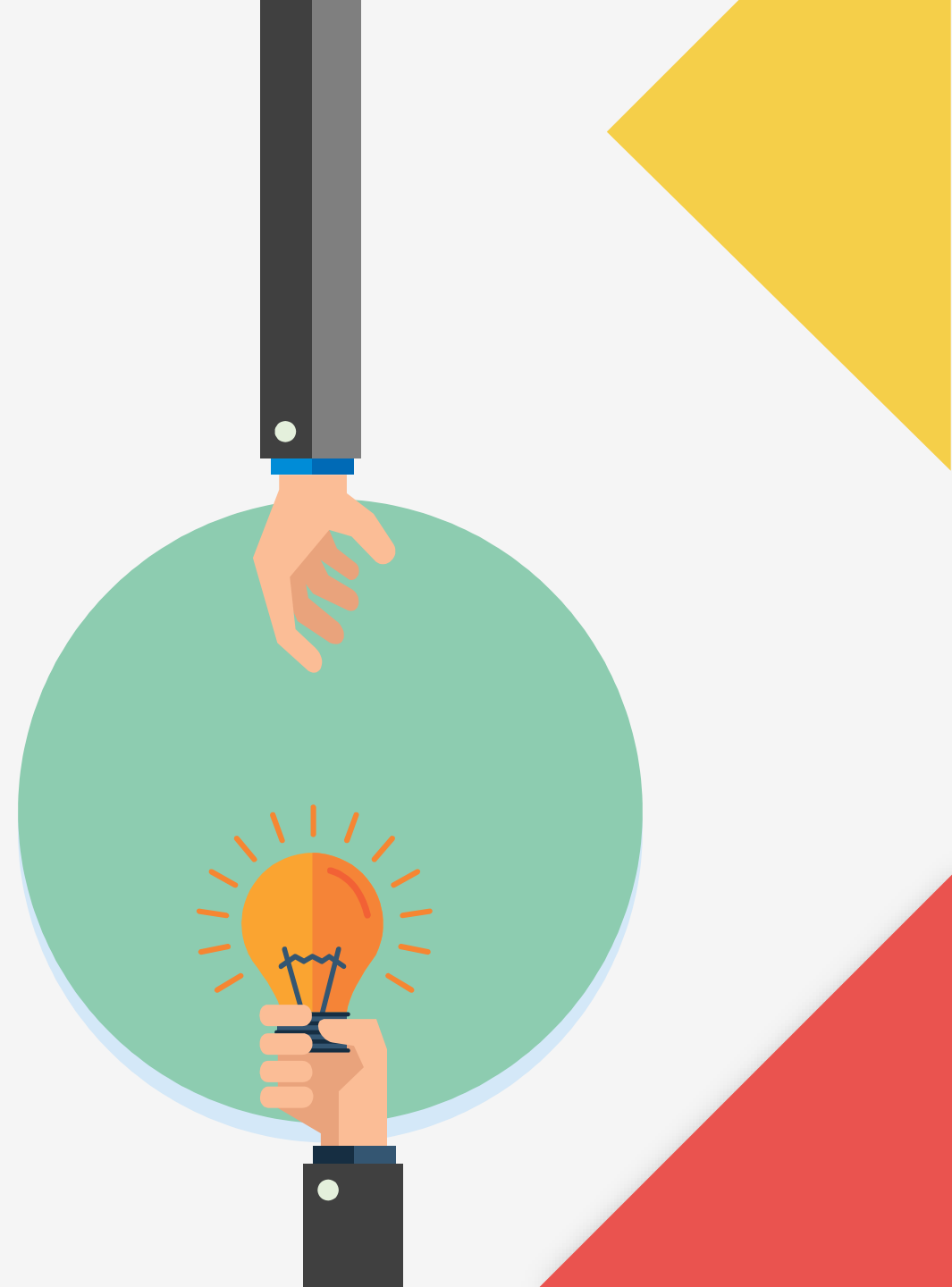
Hire-me Coder

Thank You

Group PG05