**Project Plan**

**Running Champions**

|  |  |
| --- | --- |
| Primary Instructor | Anjana Shah |
| Team Member | Akwasi Himah |
| Team Member | Alan Pintor |
| Team Member | Elder Guerra |
| Team Member | Robert Slezak |

Document Revision History

|  |  |
| --- | --- |
| Revision # | Date |
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**1.** **Executive Summary**

The following describes the project to be executed:

|  |  |
| --- | --- |
| Objective | Motivate people by creating competitions where teams compete against other teams and rewording the winners in our mobile application |
| Corporate Goals Addressed | The top goal of our project is to establish a mobile application capable of motivating users to exercise by competing against other teams, handle payments from registering for the competitions, and handle distributing payments to the winners. |
| Planned Start Date | Monday September 23, 2019 |
| Planned End Date | Friday March 27, 2020 |

**2. Project Approvers, Reviews and Distribution List**

|  |  |  |  |
| --- | --- | --- | --- |
| Project Role | Name | E-mail | Date |
| Team Member | Akwasi Himah | [akwasi.himah@georgebrown.ca](mailto:akwasi.himah@georgebrown.ca) | Oct 4, 2019 |
| Team Member | Alan Pintor | [jaime.pintortejeda@georgebrown.ca](mailto:jaime.pintortejeda@georgebrown.ca) | Sept 23, 2019 |
| Team Member | Elder Guerra | [eldernobregaguerra.filho@georgebrown.ca](mailto:eldernobregaguerra.filho@georgebrown.ca) | Oct 7, 2019 |
| Team Member | Robert Slezak | [robert.slezak@georgebrown.ca](mailto:robert.slezak@georgebrown.ca) | Oct 7, 2019 |

**3. Scope**

Define the sum total of all of its products and their requirements or features:

|  |  |
| --- | --- |
| In Scope | Out of Scope |
| Android/iOS application | Use of smart bands (smart watches, fitbit) |
| Managing user accounts | Not a Web Application (Mobile Only) |
| Handling payments | Other Operation Systems (Ios and Android Only) |
| Remote database storage | Not a Messaging Application |
| Tracking Users Runs |  |
| Creating and Joining Teams |  |
| Creating and Joining Competitions |  |

**4. Deliverables**

This project will deliver the following:

|  |  |
| --- | --- |
| Deliverable | Description |
| A competitive environment | Signing up with your friends to our events. Compete against other teams around the world to determine the best team and the winner of that event. |
| Incentives | Compete with your friends and family to provide motivation to perform. Earn cash prizes in events by beating other teams. |
| Active Lifestyle | Creating a very healthy and friendly environment to help boost our user's personal health care. Providing events which help increase and keep our users active in their daily activities. |
| Tracking Runs | Our app will allow users to track individual runs and store the information for later viewing. This feature will be available for both logged in and non registered users |
| Login / Registration | Users can register for an account and user this account to login. Once an account is created their data is also saved to our remote database and they can participate in teams/competitions. |
| Team Management | Users will be able to create a team and invite friends to join the team based on email or phone number. Teams can then enter competitions. |
| Competition Management | Users can create competitions allowing for custom parameters. Users who create a competition can send an invite for people to join. Teams can sign up for competitions that they are eligible for and enter payment when applicable. |

**5. Assumptions**

This project makes the following assumptions:

1. All team members will be available to complete their tasks on time.
2. We are assuming the app user interface is intuitive enough for the user to understand not requiring a tutorial on how to use the app.
3. Users will need to have an Android or iOS device to user our app

**6. Dependencies**

The following are the internal and external dependencies that will have to be acknowledged and addressed:

|  |  |
| --- | --- |
| **Internal Dependencies** | **External Dependencies** |
| Use of phone’s GPS tracking | External payments processed by PayPal |
|  | Available cloud database hosting |

**7. Risk Management**

|  |  |  |  |
| --- | --- | --- | --- |
| Potential Risk | Severity (H/M/L) | Likelihood (H/M/L) | Management Strategy |
| Transaction Process Security | H | M | Work with PayPal or other third-party companies that are advanced in dealing with online payment method to avoid any issues in the future |
| Account Management Security | H | L | By using encryption in our data management system.  Adding two-step verification method to help prevent any breach into our user’s account |
| Data Loss and Data Recovery | H | M | Adopting and implementation of synchronising the local database with the server to prevent data loss |

**8. Communication**

**Reporting**

The following reports will be produced:

|  |  |  |
| --- | --- | --- |
| Report | Audience | Frequency |
| Project Status Reports | Anjana Shah | For each sprint (approximately every second week) |
| Presentations | Entire Class | Twice, once at the midway point and again at the end of the project |

**Meetings**

The following meetings/communication will be established:

|  |  |  |  |
| --- | --- | --- | --- |
| Meeting | Purpose | Attendees | Frequency |
| Mondays from 10 am to 2 pm | Go over required tasks for that week. Delegate tasks among team members. | Akwasi Himah, Alan Pintor,  Elder Guerra, Robert Slezak | Weekly |
| Tuesdays from 10 am to 12 pm | Go over required tasks for that week. Keep team members updated on status of tasks | Akwasi Himah, Alan Pintor,  Elder Guerra, Robert Slezak | Weekly |
| Additional meetings | When further discussion as needed we will schedule as required | Akwasi Himah, Alan Pintor,  Elder Guerra, Robert Slezak | As Necessary |

**9. Task Listing (WBS- Work Breakdown Structure)**

The following resource proposal template summarizes the resource hours committed to this project, upon final approval of this document:

|  |  |  |  |
| --- | --- | --- | --- |
| Reference | Tasks | Duration | Dependency |
| A | Register | 5 days |  |
| B | Login | 4 days | A |
| C | Logout | 3 days | B |
| D | View Profile with overall personal statistics | 5 days | B |
| E | Track statistics from a run | 7 days | D |
| F | View historical statistics | 5 days | E |
| G | Create/Register team for a competition | 6 days | F |
| H | Join a team for a competition | 10 days | G |
| I | Deregister from a team/competition | 4 days | H |
| J | View/Track competitions | 5 days | G |
| K | Search competitions | 4 days | J |
| L | Pay entrance fee | 7 days | K |
| M | Refund entrance fee | 5 days | L |
| N | Create competitions | 6 days | J |
| O | Cancel a competition | 4 days | N |
| P | Share competitions (Social media/email) | 8 days | N |
| Q | Share progress/achievements via social media | 6 days | P |

**10. Gantt Chart**

See external file (T06\_Gantt Chart.pdf)

**11. Milestones**

|  |  |  |
| --- | --- | --- |
| Major Activity or Milestone | Estimated Milestone Target date | Owner/Reviewer Team Members |
| Setup GitHub repository | Jan 19, 2020 | Alan |
| Initialize project with blank pages | Jan 19, 2020 | Robert |
| Create layout for each page with basic navigation between them | Jan 19, 2020 | Everyone |
| Setup database locally with tables | Jan 24, 2020 | Elder |
| Setup remote database with table definitions | Jan 24, 2020 | Alan |
| Implement Tracking page and save to database | Jan 31, 2020 | Robert |
| Implement Registration and Login with saving to database | Jan 31, 2020 | Akwasi |
| Implement Statistic tracking | Feb 7, 2020 | Akwasi |
| Implement Team creation and joining teams | Feb 14, 2020 | Akwasi/Elder |
| Implement Competition creation and inviting | Feb 14, 2020 | Alan/Robert |
| Implement having teams join competitions | Feb 21, 2020 | Robert/Elder |
| Implement cancelling teams and competitions | Feb 21, 2020 | Alan/Akwasi |
| Handle automatically starting the competition at the start date | Feb 28, 2020 | Everyone |
| Handle automatically completing the competition at the end date | March 6, 2020 | Everyone |
| Handle payment processing when joining a competition | March 13, 2020 | Alan/Elder |
| Handle payments to winners | March 20, 2020 | Robert/Akwasi |
| Testing and Fix any bugs | March 27, 2020 | Everyone |

**12. RAM – Responsibility Assignment Matrix**

Create a RAM from your Task Listing:

(R) Responsible - Who is completing the task.

(A) Accountable - Who is making decisions and taking actions on the    task(s)

(C) Consulted - Who will be communicated with regarding decisions and tasks.

(I) Informed - Who will be updated on decisions and actions during the project.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task Name** | **Akwasi** | **Robert** | **Elder** | **Alan** |
| Register | R, A | C, I | C, I | C, I |
| Login | C, I | R, A | C, I | C, I |
| Logout | C, I | C, I | R, A | C, I |
| View Profile with overall personal statistics | C, I | C, I | C, I | R, A |
| Track statistics from a run | C, I | C, I | C, I | R, A |
| View history of statistics | R, A | C, I | R, A | C, I |
| Create/Register team for a competition | R, A | C, I | C, I | R, A |
| Join a team for a competition | R, A | R, A | C, I | C, I |
| Deregister from a team/competition | C, I | C, I | R, A | C, I |
| View/Track competitions | R, A | C, I | C, I | C, I |
| Search competitions | C, I | C, I | C, I | R, A |
| Pay entrance fee | C, I | R, A | C, I | C, I |

**13. Approval**

The signatures below indicate their approval of the contents of this document.

|  |  |  |  |
| --- | --- | --- | --- |
| Project Role | Name | Signature | Date |
| Team Member | Akwasi Himah | Approved | Jan 19, 2020 |
| Team Member | Alan Pintor | Approved | Jan 19, 2020 |
| Team Member | Elder Guerra | Approved | Jan 19, 2020 |
| Team Member | Robert Slezak | Approved | Jan 19, 2020 |