

Project Tender

Project: Project STORM

Client: Linda Marshall

Team: Team Name

Renaldo van Dyk (12204359)

Johann Dian Marx (12105202)

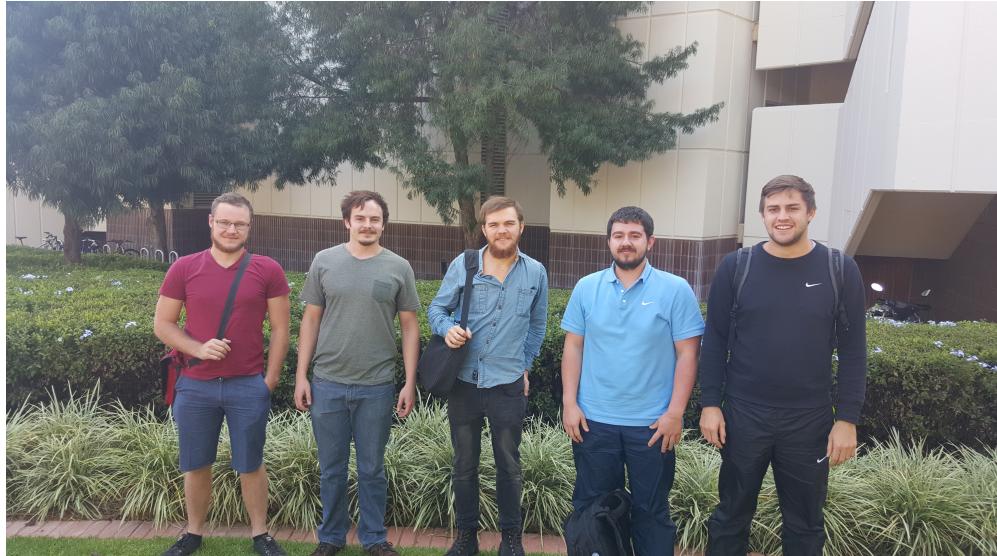
Sean Thomas Hill (12221458)

Andreas du Preez (12207871)

Shaun Meintjes (13310896)

Department of Computer Science, University of Pretoria

Date: May 2015



# 1 The Team

1. Renaldo van Dyk (12204359)



- Interests

I'm a lover of technology in general and fortunate enough to pertain to it's value. I love knowing that every page of code that I write will help improve someone in their day-to-day life. I mostly favor web and mobile app development and I'm also intrigued by security and privacy aspects of information technology.

- My technical strong points:

- Java

Java programming is one of my strong points and I have been using the java language extensively for 3 years.

- XML

XML have been used throughout the course of 4 years in my degree. We have learned how to use it in different environments and I have experimented with it in my own time by writing small android apps.

- Web Technologies

PHP, Javascript, HTML, JQuery, AJAX, XML are some of my well developed skills.

- Other Languages

Visual C#

C++

C

ASP.net

SQL

## UML

- Past experience relevant to project

I have worked with web technologies for 5 years, in my field of study and in the more corporate environment. This experience will be crucial in the development of the web application. I have worked on some artificial intelligent applications making use of smart algorithms. I am familiar with a vast variety of data structures and how to shuffle or traverse them efficiently.

- Non-technical strengths

I am a strong perfectionist, this means I will not attempt a project if I am not 100% sure that I will succeed. I am driven and always do my utmost best to reach deadlines. Some of my characteristics include:

Reliable  
Leader  
Precise  
Hard Working  
Passionate  
Loyal

- What makes you want to do the project

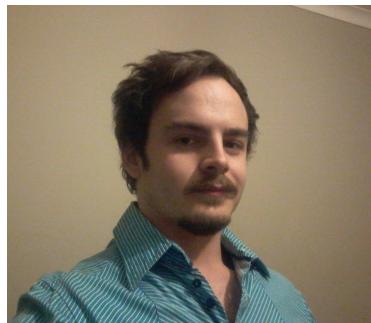
I would say web development is my strongest area of expertise. I have always loved to challenge myself with complex and intelligent algorithms. I will gain a lot of knowledge and experience from this project. I know that this project will help the CS department improve the course for future students.

## 2. Johann Dian Marx (12105202)



- Interests  
Fill in later...
- Technical Skills  
Fill in later...
- Past experience relevant to project  
Fill in later...
- Non-technical strengths  
Fill in later...
- What makes you want to do the project  
Fill in later...

### 3. Sean Thomas Hill (12221458)



- Interests

I'm interested in creating things that I can be proud of, and I'm excited about learning how to use a wider variety of ways to interact with the latest technology. Where software development is concerned I enjoy web and application development and would like to gain some more experience in mobile development as well.

- Technical Skills

- **Java**

Three and a half years of experience in study.

- **XML**

Extensive knowledge in xml document creation and handling of xml markup in a wide variety of coding environments as well as xml styling and template based document creation from xml documents.

- **Web Technologies**

I am proficient in JavaScript, HTML, PHP, related database interactions and styling.

- **Database Technologies**

MySQL, neo4j, PL/pgSQL, postGIS, db4o and mongoDB.

- **Other Languages**

C++

Visual C#

UML

ASP.net

Assembly

- Past experience relevant to project

A lot of java, database and web based development during the past four years of study.

- Non-technical strengths

I am a natural problem solver, a reliable worker and driven to complete the tasks at hand. Honesty is important to me. I am passionate about the projects we are tendering for and that means that I will do my very best to make it run perfectly. I like to keep things light and will always stay level-headed. I work well under pressure.

- What makes you want to do the project

The entire group has experience in all the technologies related

with this project, we're sure we can do a fantastic job with it.

#### 4. Andreas du Preez (12207871)



- Interests

Information Technology has always been my main focus in life and I enjoy every challenge it throws at me. I love the fact that technology is constantly developing and I believe mobile software is a bright future for IT. I take pride in my work as a software developer and wish for the users using my software the same level of enjoyment I get when programming it.

- Technical Skills

Programming languages that I've studied and have used for 4 years include:

- Java

- C#

- C++

- C

- Markup Languages

- Such as XML, HTML, XHTML, DTD, XSLT, XPath and TeX.

- Web Development Coding

- Such as PHP, Javascript, CSS, AJAX, jNode and ASP.NET.

- Also I'm busy studying a variety of the World Wide Web RFC standards.

- Database Coding  
Such as SQL, MySQL, MongoDB.
  - Delphi
  - Assembly
- Past experience relevant to project

I have developed a few Android apps for personal use. I am experienced in Android software development and would love to gain professional experience. Mobile development mainly consist of Java coding, and Java is my favorite language.

- Non-technical strengths

I love a good challenge. I will walk the extra mile to complete that challenge and I won't allow anything to stand in my way of a project's success.

- What makes you want to do the project

I believe that networking and mobile development is the future for IT. I enjoy the concept of computers communicating with each other and wish to partake in the development of it.

## 5. Shaun Meintjes (13310896)



- Interests

I have an interest in technology and new software that makes our daily lives easier and fun. I love to develop and create new things. I enjoy a challenge and then succeeding in the end. I enjoy web and mobile development, as well as writing systems for statistics and finances.

- Technical Skills

- **Java**

- Java is the language I enjoy most. I have been using Java for the past 4 years.

- **XML**

- I have used XML during my degree, and I have learned how to use it effectively.

- **Web Technologies**

- PHP, Javascript, HTML, JQuery, AJAX, XML are some of the skills that I have acquired.

- **Other Languages**

- Visual C#

- C++

- C

- SQL

- UML

- Fortran

- COBOL

- Assembly

- Past experience relevant to project

I have worked for big corporate companies to help make their processes better and faster, by writing certain small programs to achieve big results. This included databases, statistics, macros, XML, Java and web-development. I have used web-development during my degree and I have learned all of the languages above during my studies. I have done some mobile app development during my second year of study.

- Non-technical strengths

I am very motivated and will always strive to reach my goals in time. I set personal goals to help achieve the goals of the project. I am a fast learner, a good listener and I will always help other team members where I can. I have a healthy balance between perfectionism and time management. I am honest, a hard worker and loyal. I enjoy a challenge that I can learn from, to broaden my knowledge. I have good general knowledge and I am not afraid to take the lead on a project.

- What makes you want to do the project

I enjoy doing mobile-development and web-development. This project has a mixture of mobile- development and web-development. This project will be a challenge, but it will be very interesting. I am looking forward to see software as well as an application like STORM. I would love to be part of the development of such an application and software.

## 2 Project Execution

### 2.1 Development Methodology

We will be working with the waterfall methodology, as this is a fairly linearizable project.

### 2.2 How to keep the client informed about the status of the project

Bi-weekly meetings will be scheduled with the client to discuss progress of the project, potential problems and any further arrangements. Furthermore we will communicate via email for any urgent queries or information needing to reach the client. More urgent matters can be discussed in person seeing that the client is on campus.

## **2.3 Initial ideas on solving some of the technical challenges**

Fill in later...

## **2.4 Technologies we intend to use for the project**

Fill in later...

## **2.5 What the client will receive from us at the end of the project**

Fill in later...

## **2.6 Etc.**

We are very excited to start working on project STORM and we'll certainly not let you down.