

Project Tender

Project: Eavesdropping Protection In Conclave
Client: CSIR

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 favour web and mobile app development and I'm also intruiged 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 on small Android apps, experimenting with some functionality including Wi-Fi, GEO location, voice recording etc. in order to get familiar with the Android SDK. The core of Android development lies in Java and XML. I have studied these languages to a great extent. This will make it easier for me to implement the mobile application and mobile malware. 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 server application.

- 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 love working with mobile development and web development and this project has a mixture of both. The fact that I have to write a malware application to test the mobile application intrigues me. This project can be used in big corporate companies and can be used on my resume.

2. Johann Dian Marx (12105202)

- Photo



- 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)

- Photo



- 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

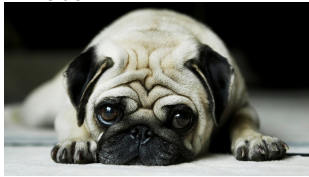
Assembly

- A bit of toying with the android SDK to see how it works, 4 years of study in Java and XML, which are used in android development. A subject on operating systems, which will help with the SMS interception in the second part of the project.
- 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
This project is by far the most interesting one we were offered to choose from. Aside from getting the opportunity to have the CSIR on my resume, everything about this just seems cool. I believe that the experience from using NFC will be very valuable as its capabilities are appearing on more and more devices. The fact that this project crosses over between digital and physical security intrigues me, as does the challenge of it all. As soon as I

started reading the project overview, I knew I would want to do it the most. If we are given this opportunity, I promise to deliver my best possible work. You will not be sorry.

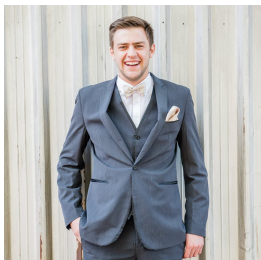
4. Andreas du Preez (12207871)

- Photo



- 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...

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 an application like Eavesdropping and the protection against it. I would love to be part of the development of such an application.

2 Project Execution

2.1 Development Methodology

Fill in later...

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

Fill in later...

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.

Fill in later...