**Project 02 Proposal**

**Crawler**

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**1.0 Project Overview**

**1.1 Abstract**

Crawler is a library which simplifies the process of writing web- crawlers. It provides a modern application programming interface using classes and event-based callbacks. It can be used to write applications which populate databases for search engines like Google Search or Microsoft Bing.

**1.2 Target Customers**

Our library targets C++ programmers, who want to develop webcrawlers for every kind of use.

* C++ programmers

**1.3 Keywords**

Webcrawler; Library; C++;

**1.4 Scope and Objectives**

* developed in C++11
* utilize “cmake” as cross platform build system
* make use of SFML for HTTP and cross-platform threads
* cross-platform
* easy to use
* modern C++ application programming interface

**2.0 Team and Contraints**

**2.1 Team Profile**

Josephine Lipkin

* moderate programming skills
* good design background

Justus Flerlage

* good programming skills, especially with C++
* already realized a few projects on his own

**2.1 Challenges**

* provide a clean application programming interface
* making everything customizable

**2.2 Assumptions and Constraints**

* library is only used by C++ programmiers
* requires moderate C++ knowledge

**3.0 Deliverables and Milestones**

**3.1 Project Deliverables**

* Project Proposal
* Manual
* Source Code
* Examples
* “cmake” build script

**3.2 Schedule and Budget Summary**

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| Item | Date |
| Project Proposal | Mai 14, 2015 |
| Proposal Presentation | Mai 21, 2015 |
| Demonstration and Delivery | June 25, 2015 |