**Scope of Work**

**Project Title: HR Time Management System**

**Group Name: <Team Grammers>, we will become Team ProGrammers once we get paid!**

**Objective:** This proposed scope of requirements seeks to achieve the clear definition of the HR Time Management System as well as define the development team’s reasonability’s. The goal of the final product is to produce the following:

* Create a web-based GUI for intuitive access.
* Develop a simple database for data storage and retrieval.
* Modularize software to allow requirement changes/amendments.
* Ensure software is compatible on both Windows and MacOS.
* Make the workflow as automatized as possible for the user.
* If time allows, additional modules such as payslip, tax documents, performance review, and others can be added.
* If time allows, iOS mobile and Android compatibility will be added.

**IP Rights:** All software source code, GUI design and graphics developed during the project will be open source.

**Materials:** Materials needed for the completion of this project are the following:

* Laptops/PC with both Window 10 and MacOS

**Dev Software:**  Software to be used for development:

* Eclipse IDE for Java based project requirement
* Spring framework for web server development
* MySQL database with Java JDBC
* Possible Angular JS for cross platform compatibility otherwise just HTML

**Deliverables:** The following represent the primary deliverables:

1. Create a Web-Based GUI which will be HTML and JavaScript based
   1. Employees shall have the ability to clock into and out of work at any time.
   2. Managers shall have the ability to query employee information for scheduling and payroll purposes.
   3. Employees can access a calendar to request time off, managers can approve or reject the request.
   4. Employees can see coworker’s time off to ensure proper coverage.
2. Create java-based backend interface
   1. Shall link the front-end GUI inputs/outputs to SQL Database.
   2. All data exchange, analysis and necessary logic will be done at this level.
3. Create a SQL database
   1. All employee information shall be stored, retrieved and modified from the SQL database.
   2. There shall be a different privileges based on user identification. A security check will ensure employees can only access pertinent information.
4. Web based application
   1. This will be a web based application accessible through any Internet browser.
   2. Database will be hosted on a dedicated server or cloud-based server depending on feasibility and cost.