System Development and Operation

Overview

The system development is performed using Agile methodology. Initial R&D activity should be applied to experiments tools and techniques. Later continuous R&D activity will run beside the system development activities. The first version of the system should take twelve weeks. After release, the system will enter an initial operation phase for six weeks. During that phase the whole development team will communicate directly with the operation and business team. Later the system will enter the final operation and maintenance phase. During that phase a minor development team will provide an indirect technical support.

Development Plan

	1	2	3	4	5	6	7	8	9	10	11	12
Study Requirements	▓	▓	▓									
Management Planning	▓	▓	▓									
Preparation	▓	▓	▓									
Test Planning				▓	▓							
Implementation				▓	▓	▓	▓	▓	▓			
Research				▓	▓	▓	▓	▓	▓			
Testing				▓	▓	▓	▓	▓	▓			
System Testing									▓	▓	▓	▓
Final Release												■

Team

Team	Role	#
Development Team	Team Leader	Almonzer Alaaeldin
	Web Developers	Almonzer Alaaeldin Ahmed abdalla Amgad Abdelkhaleq Baher Abdelfatah Ehab Abd Elghay Eslam Shaaban Hazem Mostafa Omar Taher

Tools

Service Advertising Website will be developed using open source tools, languages and servers. Commercial tools will be

used in case there is no open source alternative. This will decrease the cost especially for long term

operation.

While development only online tools will be used for management, tracking, testing and source control.

This will increase the collaboration between team members even they are not located at the same

place. Also, this will allow external teams and members to participate.

Operation	Recommended Tool
Source Control and Versioning	GitHub/Git
Tasks and Issues Tracking	GitHub/Issues, JIRA
Structured Database	MySQL, PHP, PostgreSQL …
Programming Languages	PHP,HTML,JS
Documents	Google Docs
Planning	JIRA

Assumptions

● The system completely depends on personal contribution of developers and users to build

Service Advertising Platform and to develop the skills needed to achieve it.

● The system completely depend on free open source tools and languages.

● Users should approve to give the copyright of their material to the system.