EMERTXE TRAINING PROJECT DOCUMENTATION FRAMEWORK
REQUIREMENTS & DESIGN DOCUMENT

Module – ELARM

Web Server

ΣMERTXE

Contents

1 Abstract

Implement a simple web server to interact with GPIO interfaces of Beagelbone Black.

A Web server is an application, that accepts HTTP requests from clients (applications like web browsers), and serving them HTTP responses along with optional data contents, which usually are web pages such as HTML documents and linked objects (logs, etc) and in case of failure an error message.

Today the technologies such as REST and SOAP have extended the application of web servers well beyond their original purpose of serving human-readable pages.

2 Requirements

The server should be capable to

- Send the current LED status on the Target machine

- Receive command to change the state of the LED

- Send the user activity as S2 button

ΣMERTXE

3 Artifacts

References

- https://en.wikipedia.org/wiki/Web_server

ΣMERTXE