

**Don't Push Me or...**



You're  
Grounded!



# Objective

- Provide a simple user interface for parents to implement stricter controls over a child's access to various computer apps
- Setup on Raspberry Pi
  - Tomcat and JDK installed on Raspbian OS
- Setup on laptop
  - MySQL database



# index.html

## You're Grounded!

	<b><i>Home</i></b>	<b><i>Setup</i></b>	<b><i>Settings</i></b>	<b><i>Monitor</i></b>	<b><i>Help</i></b>
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***Home***

***Setup***

***Settings***

***Monitor***

***Help***

Limiting a child's screen time is important. Whether you want to set up stricter policies to schedule access or revoke certain privileges temporarily, You're Grounded is here to help. And best of all, it's completely free!

If this is your first time here, begin with our easy setup page. Once complete you can change settings and monitor usage of devices and specific apps as much or as little as you need.



# setup.jsp

You're Grounded!

<b><i>Home</i></b>	<b>Setup</b>	<b>Settings</b>	<b>Monitor</b>	<b>Help</b>
<b><i>Home</i></b>	instructions to install tomcat, jdk, set JAVA_HOME			
<b>Setup</b>	Download WAR file			
<b>Settings</b>				
<b>Monitor</b>				
<b>Help</b>				

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# help.html

You're Grounded!

*Home*

**Setup**

**Settings**

**Monitor**

**Help**

*Home*

*Setup*

**Settings**

*Monitor*

*Help*

## Documentation

put new raspbian on an sd card  
set up and configured the pi

script: yg.sh (include text in appendix)

```
#apt-get install tomcat7
Creating config file /etc/logrotate.d/tomcat7 with new version
[FAIL] no JDK found ? please set JAVA_HOME.... failed!
```

```
#apt-get install oracle-java8-jdk
```

```
#apt-get update
#apt-get dist-upgrade
```

```
# export JAVA_HOME=/usr/lib/jvm/jdk-8-oracle-arm-vfp-hflt/jre/bin/java
```



# Overview

## Apps to restrict access

- Minecraft
- Scratch
- Browser (IceWeasel)

## Features

- Restrict by time
- Allow custom messages with/without text to speech



# settings.jsp

You're Grounded!

	<b>Home</b>	<b>Setup</b>	<b>Settings</b>	<b>Monitor</b>	<b>Help</b>
<b>Home</b>	<b>Select which services you would like to limit:</b> <input type="radio"/> minecraft <input type="radio"/> scratch <input type="radio"/> browser				
<b>Setup</b>					
<b>Settings</b>					
<b>Monitor</b>					
<b>Help</b>	<b>Select the times to restrict access</b> <input type="checkbox"/> Midnight - 6am <input type="checkbox"/> 3pm - 6pm <input type="checkbox"/> 6am - 9am <input type="checkbox"/> 6pm - 9pm <input type="checkbox"/> 9am - noon <input type="checkbox"/> 9pm - midnight <input type="checkbox"/> noon - 3pm				
	<b>Set a custom message</b> <input type="radio"/> none <input type="radio"/> Access restricted. <input type="radio"/> Go to bed! <input type="radio"/> This attempt has been logged. After 3 attempts you will be grounded! <input type="checkbox"/> Read message using text to speech				
	<input type="button" value="Submit"/>				
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# database

Navigator

SCHEMAS

Filter objects

grounded

- Tables
  - app
  - log
  - script
  - user
- Views
- Stored Procedures
- Functions

murach

murach\_jpa

music\_jpa

music

sakila

test

world

Query 1 SQL File 4\* create\_grounded\_db x

41  
42 • □ CREATE TABLE Log (  
43     LogID VARCHAR(15) NOT NULL PRIMARY KEY,  
44     UserID VARCHAR(50) NOT NULL,  
45     LogFile VARCHAR(50) NOT NULL,  
46  
47         FOREIGN KEY (UserID) REFERENCES User (UserID)  
48 );  
49  
50 • □ INSERT INTO Log  
51     (LogID, UserID, LogFile)  
52     VALUES  
53         ('m-log', 'kidsPI-1', '/m-log.txt')  
54         ;  
55  
56 • □ CREATE TABLE Script (  
57     ScriptID VARCHAR(50) NOT NULL,  
58     UserID VARCHAR(50) NOT NULL,  
59     ScriptFile VARCHAR(50) NOT NULL,



# bash script

```
#!/bin/bash
if [ $(date +%H) -gt 21 ]; then
echo "failed minecraft attempt at " $(date) >>
/var/log/mclog
zenity --warning --text=Go\ To\ Bed\
elif [ $(date +%H) -lt 6 ]; then
echo "failed minecraft attempt at " $(date) >>
/var/log/mclog
zenity --warning --text=Go\ To\ Bed\
else
echo "successful minecraft attempt at " $(date) >>
/var/log/mclog
killall minecraft-pi;
/usr/bin/minecraft-pi&
fi
```



# log

successful minecraft attempt at Tue Jun 16 11:25:12 EDT 2015

successful minecraft attempt at Tue Jun 16 15:07:04 EDT 2015

failed minecraft attempt at Wed Jun 17 00:21:33 EDT 2015

failed minecraft attempt at Wed Jun 17 00:22:49 EDT 2015

failed minecraft attempt at Wed Jun 17 00:23:32 EDT 2015

failed minecraft attempt at Wed Jun 17 00:31:49 EDT 2015



# Go to bed!

