

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 Rasbian OS
- Setup on laptop
 - MySQL database



index.html

You're Grounded!

	Home	Setup	Settings	Monitor	Help
Home	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!				
Setup	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.				
Settings					
Monitor					
Help					

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setup.jsp

You're Grounded!

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

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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!

<i>Home</i>	<i>Setup</i>	<i>Settings</i>	<i>Monitor</i>	<i>Help</i>
Home				
Setup				
Settings				
Monitor				
Help				
Select which services you would like to limit:				
<input type="radio"/> minecraft				
<input type="radio"/> scratch				
<input type="radio"/> browser				
Select the times to restrict access				
<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				
Set a custom message				
<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

Limit to 1000 rows

```
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,
60
```



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!

