



கட்டற்ற மென்பொருட்கள் - ஓர் அறிமுகம்

த.சீனிவாசன்

tshrivivasan@gmail.com

சீனிவாசன்



- பணி - GNU/Linux நிபுணர்
- கட்டற்ற மென்பொருள் ஆர்வலர்
- இந்திய லினக்ஸ் பயனர் குழு தொண்டர் ilugc.in
- கணியம் - நிறுவனர் - kaniyam.com
- FreeTamilEbooks.com நிறுவனர்
- tshrivivasan@gmail.com
- <http://goinggnu.wordpress.com>

```

/**If the copy of approved DRN send to people...*/
    if (isset($_POST['send_copy'])) {
        $change_functions->delete_change_worklist($creator,$drn_object_id);
        if (!($Selected_Users)=="") {
            $users_list = explode(",",$Selected_Users);
            foreach ($users_list as $user_id) {
                if (!$user_id=="") {
                    $change_functions->add_change_worklist($user_id,$drn_object_id);
                    $change_functions->save_workflow($drn_object_id,$user_id,'Waiting','copy');
                }
            }
            $change_functions->change_drn_status($drn_object_id,"Waiting for Acknowledge");
        }
    }

    /**If the copy of approved DRN acknowledged by the people...*/
    if (isset($_POST['acknowledge'])) {
        $change_functions->update_workflow($drn_object_id,$usr_id,'Acknowledged','copy');
        $change_functions->delete_change_worklist($usr_id,$drn_object_id);
        if ($change_functions->is_action_finished($drn_object_id,"copy","Acknowledged")) {
            $change_functions->change_drn_status($drn_object_id,"Completed");
        }
        $change_functions->add_change_worklist($creator,$drn_object_id);
    }
}

/**To show the View page...*****/

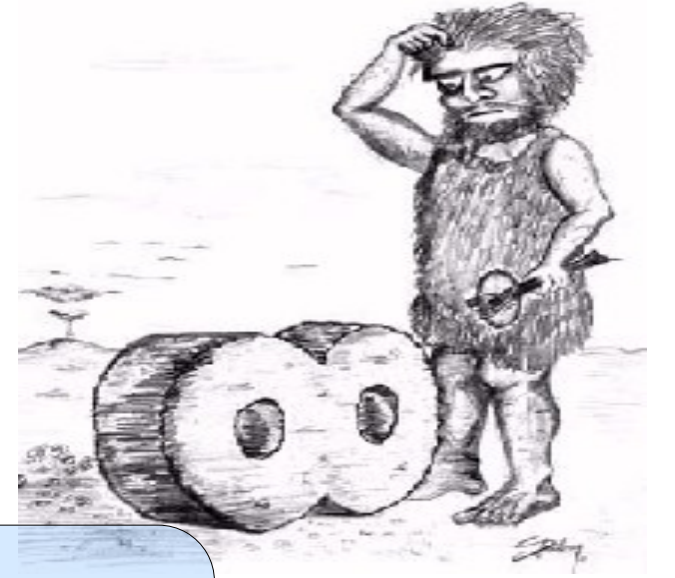
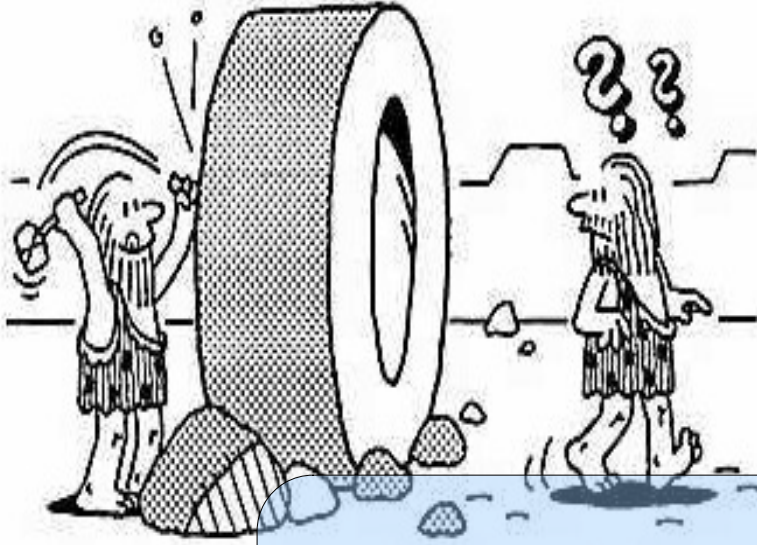
```

மூல நிரல் (கட்டற்றது)

பொதி (உரிமை தராதது)

களம் - 1



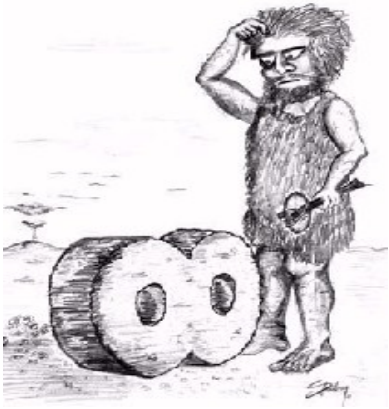


சக்கரத்தையே மீண்டும்
மீண்டும் கண்டுபிடித்தல்





தொடர்ந்த வளர்ச்சி



?



```

/**If the copy of approved DRN send to people...*/
.   if (isset($_POST['send_copy'])) {
.       $change_functions->delete_change_worklist($creator,$drn_object_id);
.       if (!($Selected_Users)=="") {
.           $users_list = explode(",",$Selected_Users);
.           foreach ($users_list as $user_id) {
.               if (!$user_id=="") {
.                   $change_functions->add_change_worklist($user_id,$drn_object_id);
.                   $change_functions->save_workflow($drn_object_id,$user_id,'Waiting','copy');
.               }
.           }
.           $change_functions->change_drn_status($drn_object_id,"Waiting for Acknowledge");
.       }
.   }

/**If the copy of approved DRN acknowledged by the people...*/
.   if (isset($_POST['acknowledge'])) {
.       $change_functions->update_workflow($drn_object_id,$usr_id,'Acknowledged','copy');
.       $change_functions->delete_change_worklist($usr_id,$drn_object_id);
.       if ($change_functions->is_action_finished($drn_object_id,"copy","Acknowledged")) {
.           $change_functions->change_drn_status($drn_object_id,"Completed");
.       }
.       $change_functions->add_change_worklist($creator,$drn_object_id);
.   }

.   }

/**To show the View page...*****/

$drn->free();
$drn = new DB_Public_change_drn();
$drn->get("drn_object_id",$drn_object_id);

```

அறிவைப் பகிர்தல்

களம் -2



ஒரு சிலரே
சரிபார்த்தல்



பல பேர் திருத்துதல்





```

/**If the copy of approved DRN send to people...*/
    if (isset($_POST['send_copy'])) {
        $change_functions->delete_change_worklist($creator,$drn_object_id);
        if (!($Selected_Users)=="") {
            $users_list = explode(",", $Selected_Users);
            foreach ($users_list as $user_id) {
                if (!$user_id=="") {
                    $change_functions->add_change_worklist($user_id,$drn_object_id);
                    $change_functions->save_workflow($drn_object_id,$user_id,'Waiting','copy');
                }
            }
        }
        $change_functions->change_drn_status($drn_object_id,'Waiting for Acknowledge');
    }
}

/**If the copy of approved DRN acknowledged by the people...*/
    if (isset($_POST['acknowledge'])) {
        $change_functions->update_workflow($drn_object_id,$usr_id,'Acknowledged','copy');
        $change_functions->delete_change_worklist($usr_id,$drn_object_id);
        if ($change_functions->is_action_finished($drn_object_id,"copy","Acknowledged")) {
            $change_functions->change_drn_status($drn_object_id,"Completed");
        }
        $change_functions->add_change_worklist($creator,$drn_object_id);
    }
}

```

பலரது மேற்பார்வை = குறைந்த பிழைகள்

```

/**To show the View page...*****/

```

```

$drn->free();
$drn = new DB_Public_change_drn();
$drn->get("drn_object_id",$drn_object_id);

```

களம்-3





பாதுகாவலர்கள் + பூட்டிய வீடு

நண்பர், உறவினர் வாழும் திறந்த
வீடு





?



```

/**If the copy of approved DRN send to people...*/
.   if (isset($_POST['send_copy'])) {
.       $change_functions->delete_change_worklist($creator,$drn_object_id);
.       if (!($Selected_Users)=="") {
.           $users_list = explode(",",$Selected_Users);
.           foreach ($users_list as $user_id) {
.               if (!$user_id=="") {
.                   $change_functions->add_change_worklist($user_id,$drn_object_id);
.                   $change_functions->save_acknowledged($drn_object_id,$user_id,'Waiting','copy');
.               }
.           }
.       }
.       $change_functions->change_drn_status($drn_object_id,"Waiting for Acknowledge");
.   }
. }

/**If the copy of approved DRN acknowledged by the people...*/
.   if (isset($_POST['acknowledge'])) {
.       $change_functions->update_workflow($drn_object_id,$usr_id,'Acknowledged','copy');
.       $change_functions->delete_change_worklist($usr_id,$drn_object_id);
.       if ($change_functions->is_action_finished($drn_object_id,"copy","Acknowledged")) {
.           $change_functions->change_drn_status($drn_object_id,"Completed");
.           $change_functions->add_change_worklist($creator,$drn_object_id);
.       }
.   }
. }

/**To show the View page...*****/

$drn->free();
$drn = new DB_Public_change_drn();
$drn->get("drn_object_id",$drn_object_id);

```

அதிக
பாதுகாப்பு

களம்-4



A brown Chevrolet sedan is parked on a paved lot. The car is a four-door model with a light-colored interior. It has a chrome wheel cover with the Chevrolet logo. The car is parked on a paved surface with a white line. In the background, there are green trees and a blue sky with some clouds. A semi-transparent blue box with rounded corners is overlaid on the side of the car, containing text in Tamil.

மறைபொருளான வண்டி
பார்க்கவோ, திறக்கவோ, பழுது
பார்க்கவோ இயலாது



யாவரும் அறிந்த வண்டி
திறந்து பார்க்கலாம், நாமே பழுது நீக்கலாம்



?



```
/**If the copy of approved DRN send to people...*/
```

```
if (isset($_POST['send_copy'])) {  
    $change_functions->delete_change_worklist($creator,$drn_object_id);  
    if (!($Selected_Users)=="") {  
        $users_list = explode(",",$Selected_Users);  
        foreach ($users_list as $user_id) {  
            if (!$user_id=="") {  
                $change_functions->add_change_worklist($user_id,$drn_object_id);  
                $change_functions->save_worklist($drn_object_id,$user_id,'Waiting','copy');  
            }  
        }  
    }  
    $change_functions->change_drn_status($drn_object_id,"Waiting for Acknowledge");  
}
```

```
/**If the copy of approved DRN acknowledged by the people...*/
```

```
if (isset($_POST['acknowledge'])) {  
    $change_functions->update_workflow($drn_object_id,$usr_id,'Acknowledged','copy');  
    $change_functions->delete_change_worklist($usr_id,$drn_object_id);  
    if ($change_functions->is_action_finished($drn_object_id,"copy","Acknowledged")) {  
        $change_functions->change_drn_status($drn_object_id,"Completed");  
        $change_functions->add_change_worklist($creator,$drn_object_id);  
    }  
}
```

```
/**To show the View page...*****//
```

```
$drn->free();  
$drn = new DB_Public_change_drn();  
$drn->get("drn_object_id",$drn_object_id);
```

நுட்பங்களில்
சுதந்திரம்

களம் -5





சாப்பிட மட்டுமே
உரிமை உண்டு

Copyrighted by Bala
Rs.1000/Idly



மாற்றி அமைக்கலாம், புதுமைகள்
புகுத்தலாம், பகிரலாம்.





தனி மனித உரிமை



• தனியுரிம மென்பொருட்கள்

-
- தனிநபர்/நிறுவனத்திற்கு சொந்தமானது
- பொதியாக மட்டுமே கிடைக்கும்
- பயனருக்கு பல கட்டுப்பாடுகள் உண்டு
- பகிரக் கூடாது
- மாறுதல் செய்ய இயலாது





கட்டற்ற மென்பொருட்கள் GPL தரும் 4 உரிமைகள்

- 1 எங்கும் பயன்படுத்தலாம்
- 2 தேவைக்கேற்ப மாற்றலாம்
- 3 விலைக்கோ, விலையின்றியோ பகிரலாம்
- 4 மாற்றங்களையும் பகிரலாம்

(மூல நிரலையும் பகிர வேண்டும்)

Free != இலவசம்

Free = உரிமை (கட்டற்ற)

GPL = General Public License

```
/**If the copy of approved DRN send to people...*/
if (isset($_POST['acknowledge'])) {
    $change_functions->delete_change_worklist($creator,$drn_object_id);
    if (!($Selected_Users=="")) {
        $susers_list = explode(",",$Selected_Users);
        foreach ($susers_list as $suser_id) {
            if (!($suser_id=="")) {
                $change_functions->delete_change_worklist($suser_id,$drn_object_id);
                $change_functions->delete_change_workflow($drn_object_id,$suser_id,'Waiting','copy');
            }
        }
        $change_functions->change_drn_status($drn_object_id,"Waiting for Acknowledge");
    }
}

/**If the copy of approved DRN acknowledged by the people...*/
if (isset($_POST['acknowledge'])) {
    $change_functions->update_workflow($drn_object_id,$susr_id,'Acknowledged','copy');
    $change_functions->delete_change_worklist($susr_id,$drn_object_id);
    $change_functions->is_action_finished($drn_object_id,"copy","Acknowledged");
    $change_functions->change_drn_status($drn_object_id,"Completed");
    $change_functions->add_change_worklist($creator,$drn_object_id);
}

/**To show the View page...*****/
$drn->free();
$drn = new DB_Public_change_drn();
$drn->get("drn object id",$drn_object_id);
```



மென்பொருள் விடுதலை

மென்பொருள் என்பது அறிவும்
அறிவியலும் ஆகும்.
மனிதர் அனைவருக்கும்
சொந்தமானது.
தனி நபர்/நிறுவனங்களுக்கு மட்டும்
அல்ல.

கட்டற்ற மென்பொருளும் வியாபாரமும்

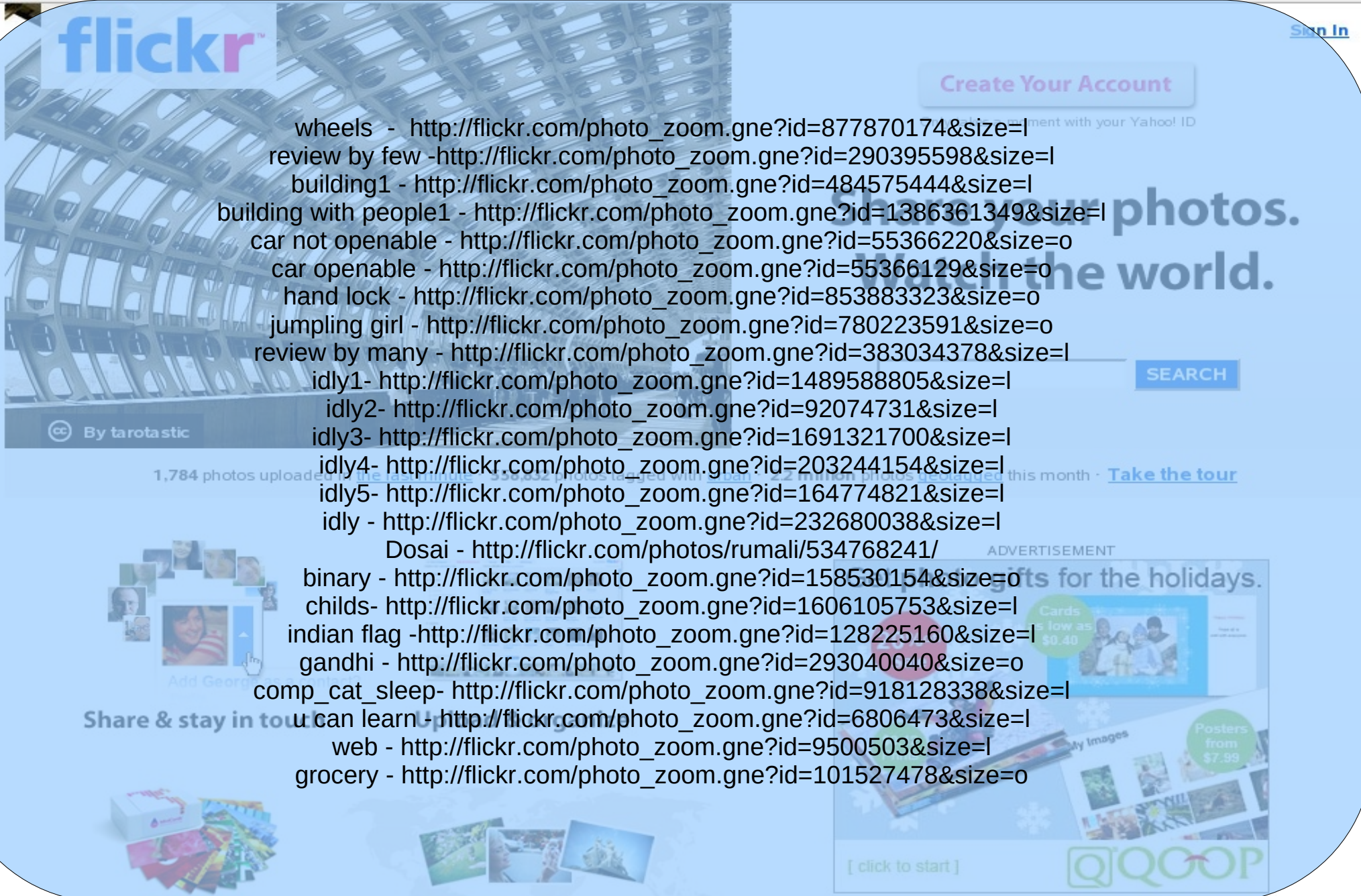
- சேவை
- நிறுவுதல்
- ஆதரவு
- கல்வி
- மாற்றம் செய்தல்
- வழங்கல்(**Distro**) விற்றல்





மாணவர்களுக்கு புதையல்

படங்கள் - நன்றி



The screenshot shows the Flickr homepage with a large background image of a modern building's interior. The Flickr logo is in the top left, and a 'Sign In' link is in the top right. A 'Create Your Account' button is prominently displayed. Below the logo, a list of photo URLs is overlaid, each preceded by a description. The list includes:

- wheels - http://flickr.com/photo_zoom.gne?id=877870174&size=l
- review by few - http://flickr.com/photo_zoom.gne?id=290395598&size=l
- building1 - http://flickr.com/photo_zoom.gne?id=484575444&size=l
- building with people1 - http://flickr.com/photo_zoom.gne?id=1386361349&size=l
- car not openable - http://flickr.com/photo_zoom.gne?id=55366220&size=o
- car openable - http://flickr.com/photo_zoom.gne?id=55366129&size=o
- hand lock - http://flickr.com/photo_zoom.gne?id=853883323&size=o
- jumpling girl - http://flickr.com/photo_zoom.gne?id=780223591&size=o
- review by many - http://flickr.com/photo_zoom.gne?id=383034378&size=l
- idly1 - http://flickr.com/photo_zoom.gne?id=1489588805&size=l
- idly2 - http://flickr.com/photo_zoom.gne?id=92074731&size=l
- idly3 - http://flickr.com/photo_zoom.gne?id=1691321700&size=l
- idly4 - http://flickr.com/photo_zoom.gne?id=203244154&size=l
- idly5 - http://flickr.com/photo_zoom.gne?id=164774821&size=l
- idly - http://flickr.com/photo_zoom.gne?id=232680038&size=l
- Dosai - <http://flickr.com/photos/rumali/534768241/>
- binary - http://flickr.com/photo_zoom.gne?id=158530154&size=o
- childs - http://flickr.com/photo_zoom.gne?id=1606105753&size=l
- indian flag - http://flickr.com/photo_zoom.gne?id=128225160&size=l
- gandhi - http://flickr.com/photo_zoom.gne?id=293040040&size=o
- comp_cat_sleep - http://flickr.com/photo_zoom.gne?id=918128338&size=l
- u can learn - http://flickr.com/photo_zoom.gne?id=6806473&size=l
- web - http://flickr.com/photo_zoom.gne?id=9500503&size=l
- grocery - http://flickr.com/photo_zoom.gne?id=101527478&size=o

The interface also features a 'SEARCH' button, a 'Take the tour' link, and an advertisement for 'Gifts for the holidays' by Qqoop. The bottom of the page shows a stack of colorful cards and a globe.

கேள்வி நேரம்

