

```
<?php
    /*
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    */
    define('CRLF', "\n");

    class GenericResource {
        var $resourceName = '';

        /* should read this from a table upon instantiation */
        var $acl = array();

        function GenericResource($resource) {
            $this->resourceName = $resource;
            /* Should be handled by code that knows the structure of the
               data -- this is just an example */
            if ($resource == 'equipment')
            {
                $this->acl = array('RAWMAT', 'LABADMIN', 'MANUFACTURING', 'ACCOUNTING');
            }
        }
    }

    class DataAccessor {
        var $desiredResource = null;
        var $whoIsAsking      = null;

        function DataAccessor($resourceObject, $userAccessObj) {
            $this->desiredResource = $resourceObject;
            $this->whoIsAsking      = $userAccessObj;
        }

        function get($property){
            if ($this->desiredResource != null) {
                if($this->userHasAccess()) {
                    return $this->desiredResource->$property;
                } else {
                    return 'Unauthorized.';
                }
            } else {
                return 'Not properly initialized.';
            }
        }

        function userHasAccess() {
            if($this->whoIsAsking != null) {
                for($i = 0; $i<count($this->desiredResource->acl); $i++)
                {
                    for($m = 0; $m<count($this->whoIsAsking->groups); $m++) {

                        if ($this->desiredResource->acl[$i] == $this->whoIsAsking->groups[$m]) {
                            return true ;
                        }
                    }
                }
            } else {
                return false;
            }
        }
    }
}
```

```
class UserAccess {
    var $userId = '';
    var $longname = '';

    /* should read this from a table upon instantiation */
    var $groups = array('OMANUFACTURING','RACCOUNTING');

    function UserAccess($id) {
        $this->userId = $id;
    }
}

/* Direct access test -- notice that it hands out the information */
$anObj = new GenericResource('equipment');
echo 'Direct access request example: ' . $anObj->resourceName . CRLF;

/* Indirect access test -- rightly refuses ... I don't have the right groups! */
$userAccess = new UserAccess('sally','Sally Koch'); /* Like a key */
$dataAccess = new DataAccessor($anObj, $userAccess); /* Like the lock the key goes into */
/
echo 'Using a data accessor: ' . $dataAccess->get('resourceName') . CRLF;
?>
```