Control Privacy

Open file **Service/Callback.php** add following function:

```
public function getGlobalPrivacySettings()
    {
        return array(
            'todo.default_privacy_setting' => array(
                'phrase' => _p('todo')
            )
        );
    }
```

Edit file **add.html.php**, add following code

```
{if Phpfox::isModule('privacy')}
     <div class="table form-group-flow">
            <div class="table_left">
                {_p var='privacy'}:
            </div>
            <div class="table_right">
                {module name='privacy.form' privacy_name='privacy' privacy_info='control_who_can_see_this_todo'
default_privacy='todo.default_privacy_setting'}
            </div>
        </div>
{/if}
```

With:

- **control_who_can_see_this_todo** is a phrase that must be added on phrase.json
- **todo.default_privacy_setting** is an unique var_name used in callback

Back to file **Controller/AddController.php**, modify it as following code

```
<?php
$iItemId  = \Phpfox::getLib('database')->insert(\Phpfox::getT('todolist_task'),[
    'user_id'=> \Phpfox::getUserId(), // get current user id
    'name'=> $vals['name'],
    'description'=>$vals['description'],
    'time_stamp'=>time(),  // creatation time
    'time_update'=>time(), // last modification time
    'privacy'=>$vals['privacy'], // modify this line...
    'task_status'=>0, // mark task is in-complete
]);
//...and this condition statement
if ($vals['privacy'] == '4') {
    \Phpfox::getService('privacy.process')->add('todo', $iItemId,
        (isset($aVals['privacy_list']) ? $aVals['privacy_list'] : array()));
}
```

Now your todo list item has it own privacy. We open **Controller/ViewController.php** to check if user has the permission to view it.

We add following code, right after getting todo-list detail:

```
<?php
$aItem  = $browseService->getForBrowse($id);
if (\Phpfox::isModule('privacy')) {
    \Phpfox::getService('privacy')->check('todo', $aItem['task_id'], $aItem['user_id'], $aItem['privacy'],
        $aItem['is_friend']);
}
```

With:

- **todo**: is your app alias
- **$altem['task_id']**: your todo list ID
- **$altem['user_id']**: user ID of todo list owner
- **$altem['privacy']**: privacy of this todo list
- **$altem['is_friend']**: are viewing user and creator user friends?

> *We have following value for privacy:*
>
> - ***0***: Public *everyone can view*
> - ***1***: Friends *Only friend can view*
> - ***2***: Friends of Friends *Friends and Friends of Friends can view*
> - ***3***: Only Me *Only owner can view*
> - ***4***: Custom *Owner can define a list of users can view*

> *We have to modify function **getForBrowse** to get more information if missing.*

Next Chapter