**Appendix A**

User profile management

class Controller\_Adminprof extends Controller\_User implements Userinterface{

public function action\_create\_user()

{

if(isset($\_POST['btnsubmit']))

{

$admin = new Adminclass();

$username = Arr::get($\_POST, 'username', '');

$admin->setUsername($username);

if(!empty($username)&!empty($name)&!empty($address)&!empty($documents)&!empty($date\_of\_birth)&!empty($role\_name)&!empty($gender))

{

$create\_user = ORM::factory('us')->create\_user($admin);

$create\_user\_role = ORM::factory('roleuser')->create\_user\_role($username, $role\_name);

}

}

}

public function action\_update\_admin()

{

$admin\_id = $this->request->param('id');

$name = ORM::factory('us')->getFullNameById($admin\_id);

…

if(isset($\_POST['btnupdate']))

{

$username = Arr::get($\_POST, 'username', '');

$admin->setUsername($username);

if(!empty($username)&!empty($name)&!empty($address)&!empty($documents)&!empty($date\_of\_birth)&!empty($gender))

{

$update\_user = ORM::factory('us')->update\_user($admin, $admin\_id);

}

}

}

}

**Appendix B**

Grade book

class Controller\_Filljurnal extends Controller\_Template{

public $template = 'templateview';

public function action\_view()

{

$quarter1 = array();

$startDate1 = '01 September 2013';

if(!(strtotime($startDate1) <= $cur\_date && $cur\_date <= strtotime($endDate1)))

$q1 = "true";

$week\_days = ORM::factory('schedule')->getWeekDays($subject\_id, $teacher\_id, $class);

$days = array();

foreach($week\_days as $w)

foreach($w as $key=>$value)

$days[] = $value;

for($i = strtotime($startDate1); $i <= strtotime($endDate1); $i = strtotime('+1 day', $i))

for($j = 0; $j <count($days); $j+=2)

if (date('l', $i) == $days[$j])

$quarter1[] = array(date('Y-m-d', $i), $days[$j+1]);

for($i = 0; $i < count($students); $i++)

{

$student\_id = ORM::factory('us')->getUserIdByFullName($students[$i]);

for($j = 0; $j < count($quarter1); $j++)

{

$marks[] = array($quarter1[$j][0].'/'.$quarter1[$j][1].'/'.$student\_id => ORM::factory('mark')->getMarks($student\_id, $subject\_id, $quarter1[$j][0], $quarter1[$j][1]));

$attend[] = array('att/'.$quarter1[$j][0].'/'.$quarter1[$j][1].'/'.$student\_id => ORM::factory('attendance')->getAttend($student\_id, $subject\_id, $quarter1[$j][0], $quarter1[$j][1]));

}

$overall\_marks[] = array('quarter1/'.$student\_id => ORM::factory('overallMark')->getMarks($student\_id, $subject\_id, 'quarter1', date('Y-m-d', strtotime($endDate1))));

}

}

public function action\_fill()

{

if(isset($\_POST['btn']))

{

for($i = 0; $i < count($students); $i++)

{

$student\_id = ORM::factory('us')->getUserIdByFullName($students[$i]);

for($j = 0; $j < count($quarter1); $j++)

{

$mark = Arr::get($\_POST, $quarter1[$j][0].'/'.$quarter1[$j][1].'/'.$student\_id, '');

$att = Arr::get($\_POST, 'att/'.$quarter1[$j][0].'/'.$quarter1[$j][1].'/'.$student\_id, '');

$marks[] = array($quarter1[$j][0].'/'.$quarter1[$j][1].'/'.$student\_id => $mark);

$attend[] = array('att/'.$quarter1[$j][0].'/'.$quarter1[$j][1].'/'.$student\_id => $att);

if($mark!="")

if(!isset($q1))

ORM::factory('mark')->create\_record($student\_id, $subject\_id, $quarter1[$j][0], $quarter1[$j][1], $mark);

if($mark == "")

if(!isset($q1))

ORM::factory('mark')->delete\_record($student\_id, $subject\_id, $quarter1[$j][0], $quarter1[$j][1]);

if($att!="")

if(!isset($q1))

ORM::factory('attendance')->create\_record($student\_id, $subject\_id, $quarter1[$j][0], $quarter1[$j][1], $att);

if($att == "")

if(!isset($q1))

ORM::factory('attendance')->delete\_record($student\_id, $subject\_id, $quarter1[$j][0], $quarter1[$j][1]);

}}}}

**Appendix C**

Student diary

class Controller\_Dnevnik extends Controller\_Template{

public $template = 'templateview';

public function action\_dnevnik()

{

$week\_days = $this->action\_calc(time());

$week\_array = array();

$days = array('Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday', 'Saturday');

for($i = 0; $i < count($days); $i++)

for($j = 1; $j <= 7; $j++)

{

$subject\_id = ORM::factory('schedule')->getSubjectByDayAndOrder($days[$i], $j, $class);

$week\_array[$i][$j][0] = $subject\_id;

$week\_array[$i][$j][1] = ORM::factory('homework')->getHomework($subject\_id, $class, date('Y-m-d', strtotime($week\_days[$i+1])), $j);

$week\_array[$i][$j][2] = ORM::factory('mark')->getMarks($student\_id, $subject\_id, date('Y-m-d', strtotime($week\_days[$i+1])), $j);

}

if(isset($\_POST['prev']))

{

$a = strtotime(Arr::get($\_POST, 'mon', ''));

$week\_days = $this->action\_calc(strtotime('-7 day', $a));

for($i = 0; $i < count($days); $i++)

for($j = 1; $j <= 7; $j++)

{

$subject\_id = ORM::factory('schedule')->getSubjectByDayAndOrder($days[$i], $j, $class);

$week\_array[$i][$j][1] = ORM::factory('homework')->getHomework($subject\_id, $class, date('Y-m-d', strtotime($week\_days[$i+1])), $j);

$week\_array[$i][$j][2] = ORM::factory('mark')->getMarks($student\_id, $subject\_id, date('Y-m-d', strtotime($week\_days[$i+1])), $j);

}

}

if(isset($\_POST['btn']))

{

$a = Arr::get($\_POST, 'cal', '');

if($a == "")

$a = date('d.m.Y');

$week\_days = $this->action\_calc(strtotime($a));

for($i = 0; $i < count($days); $i++)

for($j = 1; $j <= 7; $j++)

{

$subject\_id = ORM::factory('schedule')->getSubjectByDayAndOrder($days[$i], $j, $class);

$week\_array[$i][$j][1] = ORM::factory('homework')->getHomework($subject\_id, $class, date('Y-m-d', strtotime($week\_days[$i+1])), $j);

$week\_array[$i][$j][2] = ORM::factory('mark')->getMarks($student\_id, $subject\_id, date('Y-m-d', strtotime($week\_days[$i+1])), $j);

}

}

}

}

**Appendix D**

Attendance book

class Controller\_Attendance extends Controller\_Template{

public $template = 'templateview';

public function action\_attendance()

{

if(isset($student)||isset($parent))

{

foreach($subjects as $subject)

{

$subject\_id = ORM::factory('subject')->getSubjectIdByName($subject);

$teacher\_id = ORM::factory('schedule')->getTeacherByClassAndSubject($class, $subject\_id);

$week\_days = ORM::factory('schedule')->getWeekDays($subject\_id, $teacher\_id, $class);

$days = array();

foreach($week\_days as $w)

foreach($w as $key=>$value)

$days[] = $value;

for($i = strtotime($startDate1); $i <= strtotime($endDate1); $i = strtotime('+1 day', $i))

for($j = 0; $j <count($days); $j+=2)

if (date('l', $i) == $days[$j])

$quarter1[] = array(date('Y-m-d', $i), $days[$j+1]);

$array[] = array($subject\_id => array('quarter1'=>$quarter1, 'quarter2'=>$quarter2, 'quarter3'=>$quarter3, 'quarter4'=>$quarter4));

for($j = 0; $j < count($quarter1); $j++)

$attend[] = array($subject\_id.'/'.$quarter1[$j][0].'/'.$quarter1[$j][1] => ORM::factory('attendance')->getAttend($student\_id, $subject\_id, $quarter1[$j][0], $quarter1[$j][1]));

for($j = 0; $j < count($quarter2); $j++)

$attend[] = array($subject\_id.'/'.$quarter2[$j][0].'/'.$quarter2[$j][1] => ORM::factory('attendance')->getAttend($student\_id, $subject\_id, $quarter2[$j][0], $quarter2[$j][1]));

for($j = 0; $j < count($quarter3); $j++)

$attend[] = array($subject\_id.'/'.$quarter3[$j][0].'/'.$quarter3[$j][1] => ORM::factory('attendance')->getAttend($student\_id, $subject\_id, $quarter3[$j][0], $quarter3[$j][1]));

for($j = 0; $j < count($quarter4); $j++)

$attend[] = array($subject\_id.'/'.$quarter4[$j][0].'/'.$quarter4[$j][1] => ORM::factory('attendance')->getAttend($student\_id, $subject\_id, $quarter4[$j][0], $quarter4[$j][1]));

}

}

}

}

**Appendix E**

Marks

class Controller\_Mymarks extends Controller\_Template{

public $template = 'templateview';

public function action\_marks()

{

$class\_numb = ORM::factory('userinfo')->getClassNumbById($student\_id);

$class\_let = ORM::factory('userinfo')->getClassLetById($student\_id);

$class = $class\_numb.$class\_let;

$subjects\_id = ORM::factory('schedule')->getSubjectsByClass($class);

$subjects = array();

foreach($subjects\_id as $subject)

$subjects[] = ORM::factory('subject')->getSubjectNameById($subject);

foreach($subjects as $subject)

{

$subject\_id = ORM::factory('subject')->getSubjectIdByName($subject);

$teacher\_id = ORM::factory('schedule')->getTeacherByClassAndSubject($class, $subject\_id);

$week\_days = ORM::factory('schedule')->getWeekDays($subject\_id, $teacher\_id, $class);

$days = array();

foreach($week\_days as $w)

foreach($w as $key=>$value)

$days[] = $value;

for($i = strtotime($startDate1); $i <= strtotime($endDate1); $i = strtotime('+1 day', $i))

for($j = 0; $j <count($days); $j+=2)

if (date('l', $i) == $days[$j])

$quarter1[] = array(date('Y-m-d', $i), $days[$j+1]);

$array[] = array($subject\_id => array('quarter1'=>$quarter1, 'quarter2'=>$quarter2, 'quarter3'=>$quarter3, 'quarter4'=>$quarter4));

for($j = 0; $j < count($quarter1); $j++)

$marks[] = array($quarter1[$j][0].'/'.$quarter1[$j][1].'/'.$subject\_id => ORM::factory('mark')->getMarks($student\_id, $subject\_id, $quarter1[$j][0], $quarter1[$j][1]));

$overall\_marks[] = array('quarter1/'.$subject\_id => ORM::factory('overallMark')->getMarks($student\_id, $subject\_id, 'quarter1', date('Y-m-d', strtotime($endDate1))));

$overall\_marks[] = array('quarter2/'.$subject\_id => ORM::factory('overallMark')->getMarks($student\_id, $subject\_id, 'quarter2', date('Y-m-d', strtotime($endDate2))));

$overall\_marks[] = array('quarter3/'.$subject\_id => ORM::factory('overallMark')->getMarks($student\_id, $subject\_id, 'quarter3', date('Y-m-d', strtotime($endDate3))));

$overall\_marks[] = array('quarter4/'.$subject\_id => ORM::factory('overallMark')->getMarks($student\_id, $subject\_id, 'quarter4', date('Y-m-d', strtotime($endDate4))));

$overall\_marks[] = array('exam/'.$subject\_id => ORM::factory('overallMark')->getMarks($student\_id, $subject\_id, 'exam', date('Y-m-d', strtotime($endDate4))));

$overall\_marks[] = array('overall/'.$subject\_id => ORM::factory('overallMark')->getMarks($student\_id, $subject\_id, 'overall', date('Y-m-d', strtotime($endDate4))));

}

}

}

**Appendix F**

Homework

class Controller\_Homework extends Controller\_Template{

public $template = 'templateview';

public function action\_fill()

{

$teacher\_id = ORM::factory('us')->getUserId($\_SESSION['login']);

$test = View::factory('homeworkheader')

->bind('subjects', $subjects);

$subjects = ORM::factory('userinfo')->getTeacherSubjectsById($teacher\_id);

if(strtotime($startDate1) <= $cur\_date && $cur\_date <= strtotime($endDate1))

$q = 1;

$class = $\_GET['class'];

$subject\_name = $\_GET['subject'];

$subject\_id = ORM::factory('subject')->getSubjectIdByName($subject\_name);

$week\_days = ORM::factory('schedule')->getWeekDays($subject\_id, $teacher\_id, $class);

$days = array();

foreach($week\_days as $w)

foreach($w as $key=>$value)

$days[] = $value;

for($i = strtotime($startDate1); $i <= strtotime($endDate1); $i = strtotime('+1 day', $i))

for($j = 0; $j <count($days); $j+=2)

if (date('l', $i) == $days[$j])

$quarter1[] = array(date('Y-m-d', $i), $days[$j+1]);

$homeworks = array();

for($j = 0; $j < count($quarter1); $j++)

$homeworks[] = array($quarter1[$j][0].'/'.$quarter1[$j][1] => ORM::factory('homework')->getData($subject\_id, $teacher\_id, $class, $quarter1[$j][0], $quarter1[$j][1]));

if(isset($\_POST['btn']))

{

$subject\_id = Arr::get($\_POST, 'secret', '');

$subject\_name = ORM::factory('subject')->getSubjectNameById($subject\_id);

$class = Arr::get($\_POST, 'secret2', '');

$week\_days = ORM::factory('schedule')->getWeekDays($subject\_id, $teacher\_id, $class);

$days = array();

foreach($week\_days as $w)

foreach($w as $key=>$value)

$days[] = $value;

for($i = strtotime($startDate1); $i <= strtotime($endDate1); $i = strtotime('+1 day', $i))

for($j = 0; $j <count($days); $j+=2)

if (date('l', $i) == $days[$j])

$quarter1[] = array(date('Y-m-d', $i), $days[$j+1]);

$homeworks = array();

for($j = 0; $j < count($quarter1); $j++)

{

$homework = Arr::get($\_POST, $quarter1[$j][0].'/'.$quarter1[$j][1], '');

$homeworks[] = array($quarter1[$j][0].'/'.$quarter1[$j][1] => $homework);

if($homework!="")

ORM::factory('homework')->create\_record($subject\_id, $teacher\_id, $class, $quarter1[$j][0], $quarter1[$j][1], $homework);

if($homework == "")

ORM::factory('homework')->delete\_record($subject\_id, $teacher\_id, $class, $quarter1[$j][0], $quarter1[$j][1]);

}

}

}

}

**Appendix G**

Classlist

class Controller\_Classlist extends Controller\_Template{

public $template = 'templateview';

public function action\_classlist()

{

$test = View::factory('classlistheader')

->bind('classes', $classes);

$cl = new Classes();

$classes = $cl->getAll();

$content = View::factory('classlist')

->bind('students', $students);

$class\_id = $this->request->param('id');

$class\_numb = $cl->getClassNumber($class\_id);

$class\_let = $cl->getClassLetter($class\_id);

$students\_id = ORM::factory('userinfo')->getStudentIdByClass($class\_numb, $class\_let);

$students = array();

foreach ($students\_id as $student)

$students[] = array("name" => ORM::factory('us')->getFullNameById($student), "bday" => date('Y-m-d', strtotime(ORM::factory('us')->getDateOfBirthById($student))));

sort($students);

}

}

**Appendix H**

Files

class Controller\_Files extends Controller\_Template{

public $template = 'templateview';

public function action\_view()

{

$files = array();

$f = glob($directory . "\*");

foreach($f as $file)

{

$files[] = array(pathinfo($file, PATHINFO\_EXTENSION), pathinfo($file, PATHINFO\_FILENAME), $file);

}

}

public function action\_download()

{

$f = $\_GET['name'];

if (file\_exists($f)) {

header('Content-Description: File Transfer');

ob\_clean();

flush();

readfile($f);

exit;

}

}

public function action\_upload\_file()

{

$upload\_dir = substr($\_SERVER['HTTP\_REFERER'], strpos($\_SERVER['HTTP\_REFERER'], "dir=")+4)."/";

if(isset($\_FILES['files']))

{

$upload\_dir = Arr::get($\_POST, 'secret', '');

foreach($\_FILES['files']['tmp\_name'] as $key => $tmp\_name)

{

$path = $upload\_dir.$file\_name;

if(file\_exists($path))

{

$updatedFileName = $this->action\_update\_file\_name($path);

move\_uploaded\_file($file\_tmpname, $updatedFileName);

} } } }

public function action\_update\_file\_name($file)

{

$pos = strrpos($file,'.');

$ext = substr($file,$pos);

$dir = strrpos($file,'/');

$dr = substr($file,0,($dir+1));

$arr = explode('/',$file);

$fName = substr($arr[(count($arr) - 1)], 0, -strlen($ext));

$exist = FALSE;

$i = 2;

while(!$exist)

{

$file = $dr.$fName.'\_'.$i.$ext;

if(!file\_exists($file))

$exist = TRUE;

$i++;

}

return $file;

} }

**Appendix I**

Schedule

class Controller\_Schedule extends Controller\_Template{

public $template = 'templateview';

public function action\_create()

{

$week = array("Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday");

for($i = 0; $i<6; $i++)

for($j = 1; $j<=7; $j++)

$array[$week[$i]][$j] = array($subject\_name, $teacher\_name);

if(isset($\_POST['btnsubmit']))

{

$week = array("Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday");

for($i = 0; $i<6; $i++)

{

for($j = 1; $j<=7; $j++)

{

if($subject\_id!=""&&$teacher\_id!="")

{

$schedule = array($week[$i], $j, $subject\_id, $teacher\_id, $cl);

$query = ORM::factory('schedule')->create\_record($schedule);

$ok = "";

}

else

{

$schedule = array($week[$i], $j, $subject\_id, $teacher\_id, $cl);

$query = ORM::factory('schedule')->delete\_record($schedule);

}

}

}

}

}

public function action\_teacher\_schedule()

{

$id = $this->request->param('id');

if(isset($\_GET['user']))

$user = $\_GET['user'];

if(isset($teacher)&&isset($id)||(isset($user)))

{

$test= "";

if(isset($teacher)&&!isset($user))

{

$teacher\_id = ORM::factory('us')->getUserId($\_SESSION['login']);

$me = "";

}

else

{

$teacher\_id = $user;

$usname = ORM::factory('us')->getFullNameById($teacher\_id);

}

$week = array("Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday");

$array = array();

for($i = 0; $i<6; $i++)

{

for($j = 1; $j<=7; $j++)

{

$subject\_id = ORM::factory('schedule')->getSubjectByUserId($week[$i], $j, $teacher\_id);

$class\_id = ORM::factory('schedule')->getClassByTeacherId($week[$i], $j, $teacher\_id);

$subject\_name = ORM::factory('subject')->getSubjectNameById($subject\_id);

$array[$week[$i]][$j] = array($subject\_name, $class\_id);

}

}

}

}

public function action\_student\_schedule()

{

$id = $this->request->param('id');

if((isset($student)||isset($parent))&&isset($id))

{

$me = "";

$test= "";

if(isset($student))

$student\_id = ORM::factory('us')->getUserId($\_SESSION['login']);

else if(isset($parent))

{

$parent\_id = ORM::factory('us')->getUserId($\_SESSION['login']);

$student\_id = ORM::factory('userinfo')->getChildIdByParentId($parent\_id);

}

$class\_numb = ORM::factory('userinfo')->getClassNumbById($student\_id);

$class\_let = ORM::factory('userinfo')->getClassLetById($student\_id);

$class = $class\_numb.$class\_let;

$week = array("Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday");

$array = array();

for($i = 0; $i<6; $i++)

{

for($j = 1; $j<=7; $j++)

{

$subject\_id = ORM::factory('schedule')->getSubjectByDayAndOrder($week[$i], $j, $class);

$teacher\_id = ORM::factory('schedule')->getTeacherByDayAndOrder($week[$i], $j, $class);

$subject\_name = ORM::factory('subject')->getSubjectNameById($subject\_id);

$teacher\_name = ORM::factory('us')->getFullNameById($teacher\_id);

$array[$week[$i]][$j] = array($subject\_name, $teacher\_name);

}

}

}

}

**Appendix J**

Intranet news

class Controller\_Intranetnews extends Controller\_Template{

public $template = 'templateview';

public function action\_add()

{

if(isset($\_POST['btnsubmit']))

{

$all = Arr::get($\_POST, 'all', '');

if($all!="")

$reciever[] = "all";

if(!empty($title)&!empty($cont)&!empty($reciever))

{

foreach($reciever as $res)

ORM::factory('intranetnews')->addnews($author\_id, $title, $cont, $content\_short, $date, $res);

}

}

}

public function action\_view()

{

if($auth->logged\_in('student'))

{

$news[] = ORM::factory('intranetnews')->getnews('all');

$news[] = ORM::factory('intranetnews')->getnews('student\_all');

$news[] = ORM::factory('intranetnews')->getnews($class);

}

}

public function action\_details()

{

$id = $this->request->param('id');

$article = ORM::factory('intranetnews', $id);

$author\_id = $article->getAuthorIdByNewsId();

$username = ORM::factory('us')->getFullNameById($author\_id);

}

public function action\_mynews()

{

$auth = Auth::instance();

$login = $\_SESSION['login'];

$author\_id = ORM::factory('us')->getUserId($login);

$mynews = ORM::factory('intranetnews')->getMyNews($author\_id);

}

public function action\_delete()

{

$article = ORM::factory('intranetnews', $id);

$article->deleteById();

$this->request->redirect('intranetnews/mynews');

}

public function action\_update()

{

if(isset($\_POST['btnsubmit']))

{

if(!empty($title)&!empty($cont))

{

$article = ORM::factory('intranetnews')->updateNews($id, $title, $cont, $content\_short, $author\_id, $post\_date);

$this->request->redirect('intranetnews/mynews');

} }}}

**Appendix K**

Change password

class Controller\_Changepassword extends Controller\_Template {

public $template = 'templateview';

public function action\_change\_password()

{

if(isset($\_POST['btnsubmit']))

{

$oldpass = Arr::get($\_POST, 'oldpass', '');

$newpass = Arr::get($\_POST, 'newpass', '');

$newpass2 = Arr::get($\_POST, 'newpass2', '');

if(ORM::factory('us')->checkPass($user\_id, $oldpass)&&$newpass==$newpass2&&!empty($oldpass)&&!empty($newpass)&&!empty($newpass2)){

$result = ORM::factory('us')->changePass($user\_id, $newpass);

$ok = "";

}

else if (!ORM::factory('us')->checkPass($user\_id, $oldpass))

$error\_old = "";

else if(empty($newpass)||empty($newpass2))

$empty = "";

else if($newpass!=$newpass2)

$error\_new = "";

}

}

}