

FeeFiFoFanner Schedule Generator

Specification of User's Security Pages

Registration.php

- ✓ read: email, password, password_confirmation
- ✓ if password is less than 4 characters long, notify and **stop**
- ✓ if password_confirmation ≠ password, notify and **stop**
- ✓ go to RegistrationProcessing.php

RegistrationProcessing.php

- ✓ receive from Registration.php: email, password
- ✓ salt ← random integer of 6 characters
- ✓ confirmation_code ← random string of 8 characters
- ✓ encrypt password with salt (sha1)
 - if email is already in Registration, suggest ResendCode.php and **stop**
 - if email is already in User, suggest ForgotPassword.php and **stop**
- ✓ insert into Registration: email, password, salt, confirmation_code
- ✓ send e-mail with confirmation code
- ✓ if e-mail not sent, **stop** and suggest send your code again goes to ResendCode.php notify (confirmation code sent)
- ✓ go to EmailConfirmationForm.php

EmailConfirmationForm.php

- ✓ read: email, entered_confirmation_code
- ✓ receive from RegistrationProcessing.php: email (to autofill form)
- ✓ if confirmation_code is null, notify and **stop**
- ✓ if email doesn't contain '@', notify and **stop**
- ✓ go to EmailConfirmationProcessing.php
- resend code goes to ResendCode.php

EmailConfirmationProcessing.php

- ✓ receive from EmailConfirmationForm.php: email, entered_confirmation_code
- ✓ reg ← row in Registration that contains email
- ✓ if reg = null, notify and **stop** (email not registered)
- ✓ if reg.code ≠ entered_confirmation_code, notify and **stop** (wrong code entered)
- ✓ if email is already in User, notify (email already confirmed)
- ✓ copy username, password, salt from reg to User
- ✓ delete reg
- ✓ notify (registration successfully done)
- ✓ go to Login.php

ResendCode.php

- ✓ reads: email
- ✓ receive from EmailConfirmationForm.php: email (to autofill form)
- ✓ go to ResendCodeProcessing.php

ResendCodeProcessing.php

- ✓ receive from ResendCode.php: email
- ✓ confirmation_code ← random string of 8 characters
- ✓ if email is not in Registration, notify and **stop** (not registered or already confirmed)
- ✓ user ← row in Registration that contains email
- ✓ try to send e-mail with code confirmation
- ✓ if succeeds, user.code ← confirmation_code and notify (new confirmation code sent)
- ✓ else, notify and **stop** (error sending email; code didn't change)
- ✓ go to EmailConfirmationForm.php

Login.php

- ✓ read email, entered_password
- ✓ receive from EmailConfirmationFormProcessing.php: email (to autofill form)
- ✓ if email doesn't contain '@', notify and **stop**
- ✓ if password = null, notify and **stop**
- forgot password goes to ForgotPassword.php
- ✓ go to LoginProcessing.php

LoginProcessing.php

- ✓ receive from Login.php: email, entered_password
- ✓ user ← row in User that contains email
 - if user = null and email is in Registration, notify (email not confirmed)
- ✓ if user = null, notify and **stop** (email not registered)
- ✓ get password, salt, temp_password from user
- ✓ encrypt entered_passsword with salt
- ✓ if entered_password = password, go to Main.php
- if entered_password = temp_password, go to ChangePassword.php
- else notify and go to Login.php (password is wrong, it is case sensitive, etc)

ForgotPassword.php

- read email
- if email doesn't contain '@', notify and **stop**
- if new_password_confirmation ≠ new_password, notify and **stop**
- cancel goes to Login.php
- go to ForgotPasswordProcessing.php

ForgotPasswordProcessing.php

- receive from ForgotPassword.php: email
- temp_password = random string of length 8
- encrypt temp_passsword with salt
- user ← row in User that contains email
- user.temp_password ← temp_password
- send e-mail with code temporary password
- notify (new password sent)
- go to Login.php

ChangePassword.php

- receive from LoginProcessing.php or MyAccount.php: email (autofill)
- read entered_password, new_password, new_password_confirmation
- if new_password is less than 4 characters long, notify and **stop**
- else if new_password_confirmation ≠ new_password, notify and **stop**
- go to ResetPasswordProcessing.php
- cancel goes back

ChangePasswordProcessing.php

- receive from ChangePassword.php: entered_password, new_password, email
- user ← row in User that contains email
- get password, salt, temp_password from user
- encrypt new_password and entered password with salt
- if entered_password = password, user.password ← new_password
- else if entered_password = temp_password, user.password ← new_password
- else, notify and go to ChangePassword.php (password is wrong)
- user.temp_password ← null
- else notify and go to Login.php (password is wrong, it is case sensitive, etc)
- go to Login.php

MyAccount.php

- receive email
- load from Profile: major, degree, courses_taken
- read: major, degree, courses_taken
- insert into Profile: major, degree, courses_taken
- change password goes to ChangePassword.php
- go to MyAccountUdate.php

Main.php

- receive email from LoginProcessing.php
- ...