

## Abstract Code

### ADMIN

#### Log In

- User enters username ('\$Username') and password ('\$Password') in input fields
- IF username is not empty AND password is not empty, AND Username does not contain invalid characters AND password does not contain any escape string THEN:
  - When Login button is clicked:
    - IF user record is found but User.Password != '\$Password'
      - Go back to Login from with error message
    - ELSE:
      - Store login information as session variable '\$uid'
      - IF User.role = 'Administrator'
        - Store 'yes' in session variable '\$isAdmin'
      - ELSE
        - Store 'no' in session variable '\$isAdmin'
      - Go to User Menu page
- ELSE username or password field value is invalid, display Login form with error message

### CREATE PORTFOLIO SUBMISSION

- User on admin panel
- User selects ADD PORTFOLIO SUBMISSION button
- Portfolio form is displayed
- User inputs title in input field
- User inputs description in input field
- IF title field value is not empty AND description field value is not empty THEN:
  - When submit button is clicked:
    - Store portfolio information
    - List of portfolio submissions displayed
- ELSE portfolio title or description is invalid, display Portfolio form with error message

### READ PORTFOLIO SUBMISSION

- User on admin panel
- User selects PORTFOLIO button
- Portfolio submissions are displayed

### DELETE PORTFOLIO SUBMISSION

- User on admin panel
- User selects PORTFOLIO button
- User selects which submission to delete
- IF DELETE button is clicked THEN:
  - Submission is deleted
  - List of Portfolio submissions are displayed

### UPDATE PORTFOLIO SUBMISSION

- User on admin panel
- User selects PORTFOLIO button
- Portfolio submissions are displayed
- User selects which submission to update
- IF UPDATE button is clicked, THEN:
  - Submission form is displayed
  - User updates input fields
  - When Update button is clicked:
    - Store portfolio information
    - List of portfolio submissions are displayed
- ELSE ID field value is invalid, display search submission with error message

### CREATE RESUME SUBMISSION

- User on admin panel
- User selects ADD TO RESUME button
- Resume form is displayed
- User inputs resume information in field values
- IF field values are not empty THEN:
  - When ADD TO RESUME button is clicked:
    - Store resume information
    - List of resume submissions are displayed
- ELSE resume information is invalid, display resume form with error message

### READ RESUME SUBMISSION

- User on admin panel
- User selects RESUME button
- Resume submissions are displayed

### DELETE RESUME SUBMISSION

- User on admin panel
- User selects RESUME button
- Resume submissions are displayed
- User selects which resume submission to delete
- IF a submission is displayed, THEN:
  - IF DELETE button is clicked THEN:
    - Submission is deleted from database
    - List of Resume submissions displayed
- ELSE ID field value is invalid, display search submission with error message

### UPDATE RESUME SUBMISSION

- User on admin panel
- User selects RESUME button
- Resume submissions are displayed
- User selects which resume submission to be updated
- IF UPDATE button is clicked, THEN:
  - Submission form is displayed
  - User updates input fields
  - IF UPDATE button is clicked THEN:
    - Store resume information
    - List of resume submissions are displayed

### CREATE CONTACT SUBMISSION

- User on admin panel
- User selects ADD TO CONTACT button
- Contact form is displayed
- User inputs contact information in field values
- IF field values are not empty THEN:
  - When ADD TO CONTACT button is clicked:
    - Store contact information
    - List of contact submissions are displayed
- ELSE contact information is invalid, display resume form with error message

### READ CONTACT SUBMISSION

- User on admin panel
- User selects CONTACT button
- CONTACT submissions are displayed

### UPDATE CONTACT SUBMISSION

- User on admin panel
- User selects CONTACT button
- Contact submissions are displayed
- User selects which contact submission to be updated
- IF UPDATE button is clicked, THEN:
  - Submission form is displayed
  - User updates input fields
  - IF UPDATE button is clicked THEN:
    - Store contact information
    - List of contact submissions are displayed

#### DELETE CONTACT SUBMISSION

- User on admin panel
- User selects CONTACT button
- Contact submissions are displayed
- User selects which contact submission to delete
- IF a submission is displayed, THEN:
  - IF DELETE button is clicked THEN:
    - Submission is deleted from database
    - List of contact submissions displayed
- ELSE ID field value is invalid, display search submission with error message