## Distributed Systems Lab 1

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## Code Extracts - Controller

```
require 'net/http'
require 'uri'
def get
  if params[:url] = URI::regexp
    uri = URI. parse (params [: url])
    uri.query = URI.encode_www_form({ : message => params[: message]
    uri.port = 8000
    if params [: url] = ^{\sim} / https:\/\/.*?scss.tcd.ie/
      if params [: username] == ',' || params [: password] == ','
        render plain: 'Invalid_username/password'
        return
      else
        begin
          http = Net::HTTP.new(uri.host, uri.port)
          http.use\_ssl = true
          http.verify_mode = OpenSSL::SSL::VERIFY_NONE
          request = Net::HTTP::Get.new(uri.request_uri)
          request.basic_auth(params[:username], params[:password])
          response = http.request(request)
          res = response.body
        rescue Exception => e
          render plain: 'Error_occured, _possibly_wrong_'+
                      'username/password._Error:_" ' +
                      e.message + ',",
          return
        end
      end
    else
      res = Net::HTTP.get(uri)
    end
    render plain: res
  else
    render plain: 'Invalid_URL'
  end
end
```

## Code Extracts - View

```
<form action="/request" method="GET" role="form"</pre>
      class="form-inline" autocomplete="off">
  <div class="form-group">
    <label for="url">URL:</label>
    <input type="text" name="url"</pre>
           value="http://localhost:8000/echo.php"
           class="form-control" id="url">
  </div>
  <div class="form-group">
    <label for="username">Username:</label>
    <input type="text" name="username"</pre>
           placeholder="Optional"
           class="form-control" id="username">
  </div>
  <div class="form-group">
    <label for="password">Password:</label>
    <input type="password" name="password"</pre>
           placeholder="Optional"
           class="form-control" id="password">
  </div>
  <div class="form-group">
    <label for="message">Message:</label>
    <input type="text" name="message"</pre>
           class="form-control" id="message">
  </div>
  <input type=submit class="btn_btn-default">
</form>
```