# Team 22b – Anna Penny, Nicholas Ruffles, Jake Robison, Stanislaw Malinowski, Lujain Hawsawi, Abdulrahmna AlTerkait

```
1 ▼ <head>
     <title><%= title %></title>
3
      <!-- Required meta tags -->
     <meta name="description" content="Bookmark application" />
     <meta charset="utf-8" />
 6
     <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no" />
8
     <!-- Bootstrap CSS -->
     <link rel="stylesheet" href="/css/bootstrap.min.css" />
9
10
11
     <!-- Font Awesome -->
12
     <link href="/css/fontawesome/all.min.css" rel="stylesheet" />
13
     <!--load all styles -->
     k href="/css/fontawesome/brands.min.css" rel="stylesheet" />
14
15
     <!--load all styles -->
16
17
     <!-- Stylesheet CSS -->
     <link rel="stylesheet" href="/css/style.min.css" />
18
19 </head>
20
```

### Listing A- headinclude.erb



```
def authenticate
    unless session[:loggedin]
        redirect "/login"
    end
end

def adminauthenticate
    authenticate
    unless @db.is_admin(@db.get_account_id(session[:user]))
        redirect "/dashboard"
    end
end
```

## Listing C - startServer.rb

```
def try_login(email, password)
if email.nil? or password.nil?
    return false
end
email = email.downcase

if check_account_exists(email)
    unless check_account_enabled(get_account_id(email))
    return false
end
statement = "SELECT password, salt FROM users WHERE email = ?"
retStatement = @db.execute(statement, email)[0]
    if not password or not email
        return false
end
hash = generate_hash(password,salt=retStatement[1])
    if hash[0] == retStatement[0]
    return true
end
return false
end
```

Listing D - controller.rb

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```
post path "/login" do

if @do.try_login(params[:email].downcase, params[:password])

session(:user] = params[:email].downcase
session(:pass] = params[:password]

session(:pass] = params[:password]

session(:pass] = rue

redirect "/dashboard"

else

if @do.check_account_exists(params[:email].downcase)

if post path "/login"

end

else

session(:reply] = "Your account has been suspended"

end

redirect "/login"

end

redirect "/login"

end

if session[:loggedin] = false

ond

if session[:loggedi
```

Listing E – startServer.rb

Listing F - startServer.rb

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Listing G – controller.rb

```
def create_account(email, password, first_name, last_name, sec_question, sec_answer) # Doesn't need account type, seperate function to update
    password_reason == true
    return password_reason
end
unless email_check(email)
    return "Invalid email format"
end
email = email.downcase
unless check_account_exists(email)
    hash = generate_hash(password,salt="") # salt="" means a new one is generated
    statement = "INSERT INTO users (email, password, salt, first_name, last_name, security_question, security_answer) VALUES (?, ?, ?, ?, ?)"
    retStatement = gdb.execute statement, email.downcase, hash[0], hash[1], first_name, last_name, sec_question, sec_answer
    return "Successfully created account!"
end
puts "User tried to make an account with duplicate email #(email)"
    return "Account with that email already exists!"
end
```

Listing H - controller.rb