

B.R.U.H Requirements Document

Group 9, SENG 401 W25

Adam Yuen, Rodolfo Gil-Pereira, Zaid Shaikh, Fahmi Sardar, Alexander Lai, Odin Fox

Functional Requirements

1. The user will be able to log in
2. The user can continue as a guest
3. New users should be able to register/sign up
4. The user can enter their resume information
5. The user can enter their cover letter information
6. The user can choose either to enter a resume or a cover letter
7. The user can read/see the output
8. Logged-in users can store their generated material
9. The database should save the user username, password and a user's resumes/cover letters
10. Resume/Cover letter information is sent to the LLM
11. Users can access websites through the internet

Non-Functional Requirements

1. The interface should be simple to use and understand
2. Must be able to take text for information
3. Could have multiple smaller boxes for better user UI
4. The user's login information should be secure
5. Resume and cover letter output should be formatted acceptably

Use-Cases

Use Case Name: Login

Goal: Allow user to securely access their account

Main Flow:

- User enters username and password

- System validates credentials

- User is granted access

Alternate Flow:

If credentials are invalid, show an error message and prompt retry. If a user doesn't want to login, they can continue as a guest.

Use Case Name: Signup

Goal: Allow new user to create a new account

Main Flow:

- User switches from login page to signup page

- User enters new username

- System validates credentials and saves new user in a database

- User is granted access

Alternate Flow:

If credentials are invalid, show an error message and prompt retry. If a user doesn't want to sign up, they can continue as a guest.

Use Case Name: Choosing Cover Letter or Resume

Goal: Let User choose between creating cover letter or resume

Main Flow:

- Upon logging in (or entering as guest), User is brought to a page with 2 options

- User chooses between Resume and Cover letter

-User is brought to the respective page

Use Case Name: Document Creation

Goal: Allow logged in or unregistered user to create a Cover Letter or Resume via LLM integration

Main Flow:

- User is shown several fields where they can enter information that applies to their specific document (Resume or Cover Letter)
 - User enters their information
 - System validates inputs and sends it to the LLM
 - LLM creates a document based on the information that the user has given
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Use Case Name: Document Display and Latex

Goal: Displays a document generated from the LLM

Main Flow:

- System receives the document from LLM
- User chooses if the document is displayed in Latex or not
- System displays document to a user in the selected format