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College of Computer Studies

CS 304 - Software Engineering 2
Software Checklist

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Title: Streamlined Screening: Web-Based Applicant Management System for Collectius Philippines	

Module 1 - Security Module

Security module that consists of log in and sign up. This will allow users to create their own accounts to ensure the privacy and security of the data, and secured sessions.

Submodule 1-Login,Level of Access, Forgot Password, and User Logs

Submodules with user entries will be categorized into two levels of access: the Admin and Applicants. Login submodules require two user inputs: the Username and Password that the applicant should correctly input. Upon confirmation, the system will identify the credentials' corresponding user role. Forgot Password will function by sending a one-time six-digit pin (OTP) to the corresponding email address of the account to confirm that the pin was correctly received.

Module 2 - Registration Module

The Registration module is a universal access level module of the system that will be mainly separated into three submodules: the User Input, Database Interaction, and Authentication.

Submodule 2 - Input, Database Interaction, and Authentication.

User Input submodule will, by implementation, cover the text fields for the will-be applicant's credentials, including the validation whether similar entries already exist within the database.Database Interaction submodule functions by saving the user data to the mongoDB database, as well as retrieving confirmation that the any or all of the entered credentials, except the passwords are not duplicates within the database notifying the applicant through the interface if the inputs are valid for email authentication and confirmation. Authentication submodules, upon confirmation of the applicant's entry of the necessary information, will be sent through their email of choice for confirming that the application is authentic, a real person and not automated.

Module 3 - UserHomeModule

The UserHome Module is an Applicant access level module that will cover the user profile, notifications, Settings, Logout.

Submodule 3 - User profile, notifications, Settings, Logout.

User profile where you can view the of your profile, notification will notify if there's an update in the applicants about changes statues.

Module 4 - AdminHomeModule

The AdminHome is an Admin access level module that will consist of the following submodules: User Management, Reports, Interview Management, Filtering Applicant, Settings, and Logout.

Submodule 4 - User Management, Reports, Interview Management, Filtering Applicant, Settings, and Logout.

User Management submodule allows the Admin user to add, edit, or view users. Reports submodule will be purposed for viewing user activity and generating system reports. Interview Management on the other hand is for the scheduling of interviews, including which iteration of the interview they are currently going to take, in case they are multi-staged, conducting interviews as well as recording interview feedback. Filtering Applicants will be an interface-side submodule for easier visualization of applicant entries based on the recruiter's need to look for, and can be categorized by any of the following: job title to search out for, the keyword qualifications or skills or years of experience. Settings submodule will be for managing the system's settings, and managing roles and permission of each user from the applicants.

Module 5 - ScoringModule

The Scoring module will consist of the Scoring Criteria, Scoring Calculation, Reporting, and User Management

Submodule 5 - Scoring Criteria, Scoring Calculation, Reporting, and User Management

Scoring Criteria will be manually set criteria for a specific job opening.Scoring Calculation submodule will be solely a numerical approach that implements the Distance-based scoring Algorithm with the highest scoring keyword set as the median index of the arraylist of keywords set by the recruiter.Reporting submodule for Scoring will be dedicated to implementing the generation of score reports, as well as viewing history score. User Management submodule will be used to modify a specific account's permission to assign them their 'scorers'.

Module 6 - Report and analysis Module

The Report and Analysis is an Admin access level module that will consist mainly of the Data Collection Report, and the Reporting submodule.

Submodule 6 - Data Collection Report, Reporting

Data Collection Report will function for gathering application data, collect the metrics based from the screening, and aggregate the interview feedback. Reporting submodule will be designated for performance reports, custom reports and schedule reports.

Module 7 - Maintenance Module

The Maintenance is an Admin access level module that will include a User Management submodule as well as User Support and Data Backup, exclusively with the Admin level of access.

Submodule 7 - User Management,User Support,Data Backup.

User Management is mainly for the purpose of Admin's permission of adding accounts themselves, and adjusting user roles. User Support submodule will be for providing user documentation, and receiving user feedback. Data Backup will be a downloadable file containing the latest iteration of the user entries within the database should the latter be compromised by any sort of security compromise.

Module 8 - Search Module

The Search is an Admin access level module consisting of the Applicant Search, Job Position Search and Resume search submodules.

Submodule 8 - Applicant Search, Job Position Search,Resume search

Applicant Search is set as a text field for the recruiter to search for specific applicants by name, and filtering them. Job Position Search is similar for the Applicant Search, but based on job title and job type. Lastly, Resume Search is based on the document name of the resume. A resume document will be uploaded, with the output confirming whether the document already exists or is yet to be submitted.

Module 9 - HelpModule

The Help Module will be under universal level of access consisting of the FAQs, User Guides, Support Contact Information and User Roles submodules.

Submodule 9 - FAQs, User Guides, Support Contact Information,User Roles

FAQs and User Guides are interface-side submodules meant to contain instructions on how to utilize the system, containing graphics and textual instructions. Support Contact Information is for interaction by the Applicant access level through

Email. User Roles explains the difference between the two access levels: Applicant and Admin.

Module 10 - About Module

The About is a universal access module that will contain the company information, as well as the contact and legal information

Submodule 10 - Company information,Contact information,Legal information.

Users regardless of access level can see all the information needed in relation to the company.