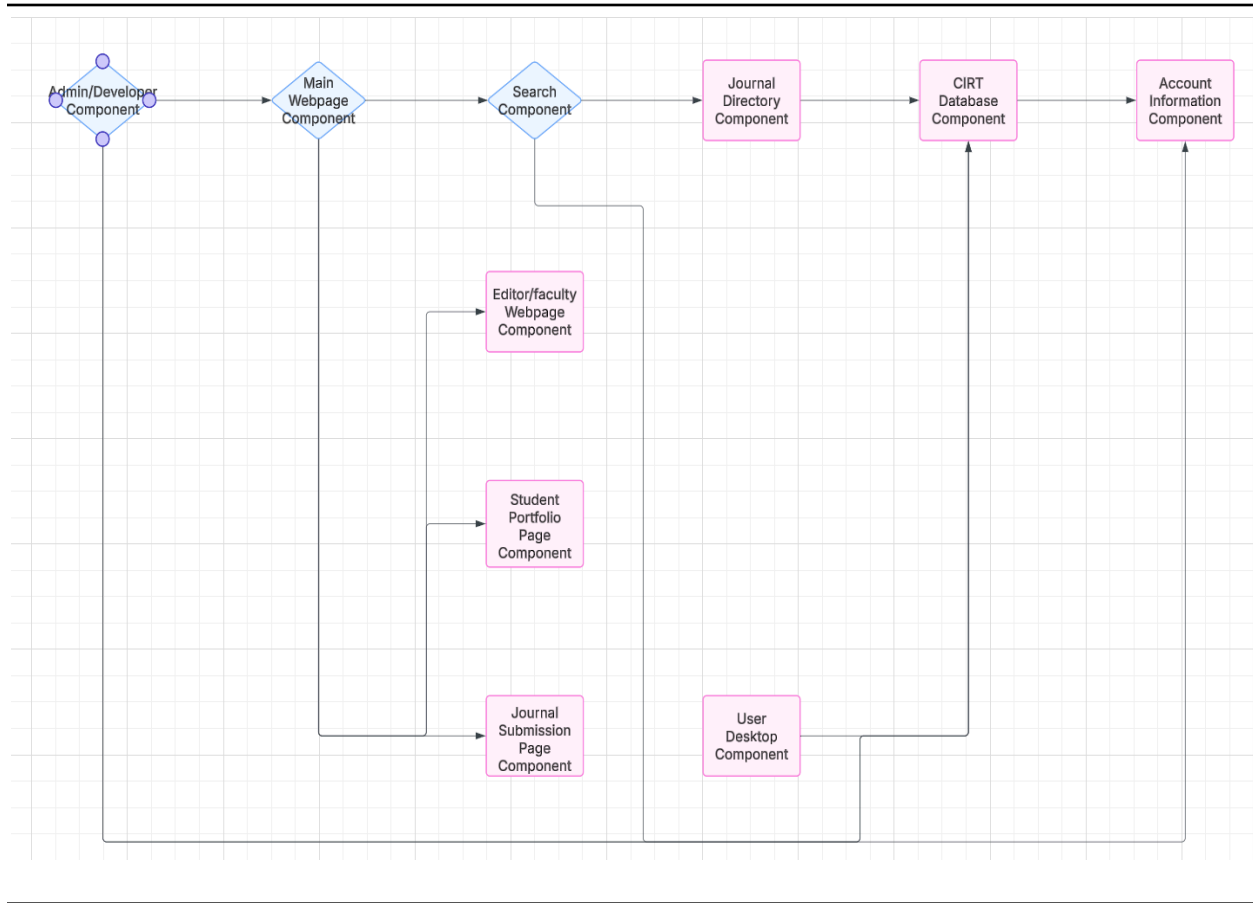# CIRT PSEUDO-COMPONENT DIAGRAM

MAJOR COMPONENTS:

CIRT Database, searching component, main webpage and subsequent pages for

student portfolios, editors/faculty, and finalized journal submission page. Developer

component to fix any overall errors/bugs in the website.

Summary of Important Components:
- **Main Webpage:**
  - Serves as the initial entry point for users visiting the website. It will contain information about the CIRT, and links to other webpages. Importantly, it will have search functionality that allows users to search through various databases for journals, posters, and fellow users.
- **User components**

- ○ There are different levels of users (non-logged in, students, faculty, administrators), each of which have different levels of privilege on the site. For example, administrators have the most privileges, while non-logged in users can only view pages (not submit any journals, posters, etc.)
  - ○ Depending on what type of privileges the user has, they receive different content. For example, the faculty may get a homepage that includes journals they have to review, while students get a page from which they can manage their portfolio.
- **Search Components**
  - ○ Serves as a way for the user to access the contents of several databases. Using a search bar on the webpage, users can request things like papers, posters, or contact information about other users. When a user wants to read a paper, they search for it using the search component, and it is then retrieved from the database.
- **Journal Directory and Database Component**
  - ○ Stores information, such as journal or poster submissions, that should be easily accessible to users. This database is connected with the search functionality, so that users can easily and quickly access posters or papers that they want to view.
- **Account Information Database**
  - ○ Stores information related to users, such as name, email, and password. This database is used when users log in, in order to verify their identity and permissions. This database should not be accessible to users, in order to ensure security and privacy. When a user makes an account, their information is stored in this database.

Connection Summary:

- **Admin/Developer component has access to every other component of website for any bug fixes required.**
- **CIRT Database is connected with Journal Directory, Account Information, User Desktop, and the Main Webpage.**
- **Search component connects above components together with database for traversal of information from database.**
- **Subpages of main website component connected solely to main website for more centralized traversal of data from database (may be modified if too complex, tbd).**
- **Journal directory component directly in tandem with searching component, arguably one of the most vital components as it is an academic journal archive.**

- **Account information, acquired through users creating an account, connected also to main database for centralized processing.**
- **Overall, we may or may not break apart main CIRT database into smaller sub-databases, tbd.**