ABSTRACT

Resume Builder Project provides a concise overview of the project's objectives, methodology, and outcomes. It highlights the key features, benefits, and potential impact of the project on users seeking to create professional resumes efficiently.

The Resume Builder Project aims to develop an user-friendly website that enables individuals to create polished and personalized resumes effortlessly. User Friendly interface, the project seeks to revolutionize the resume-building process, empowering users to craft compelling resumes that effectively showcase their skills, experiences, and qualifications.

Users can input their personal details, work history, educational background, and skill sets into the application, which then intelligently analyzes the information, suggests relevant content, and formats it into a visually appealing resume layout. The project also incorporates keyword optimization techniques to enhance the visibility of resumes in applicant tracking systems.

The Resume Builder Project aims to address several common challenges faced by job seekers, such as time-consuming formatting, lack of resume writing expertise, and difficulty tailoring resumes to specific job requirements. By providing a streamlined and automated solution, the project intends to save users valuable time and effort while significantly improving the quality and competitiveness of their resumes.

सार

रेज़्यूमे बिल्डर प्रोजेक्ट परियोजना के उद्देश्यों, कार्यप्रणाली और परिणामों का एक संक्षिप्त अवलोकन प्रदान करता है। यह उन उपयोगकर्ताओं पर प्रमुख विशेषताओं, लाभों और परियोजना के संभावित प्रभाव पर प्रकाश डालता है जो कुशलतापूर्वक पेशेवर रिज्यूमे बनाने की मांग कर रहे हैं।

रेज़्यूमे बिल्डर प्रोजेक्ट का उद्देश्य उपयोगकर्ता के अनुकूल वेबसाइट विकसित करना है जो व्यक्तियों को पॉलिश और वैयक्तिकृत रेज़्यूमे आसानी से बनाने में सक्षम बनाता है। उपयोगकर्ता के अनुकूल इंटरफेस, परियोजना फिर से शुरू करने की प्रक्रिया में क्रांति लाने की कोशिश करती है, जिससे उपयोगकर्ताओं को अपने कौशल, अनुभव और योग्यता को प्रभावी ढंग से प्रदर्शित करने वाले सम्मोहक रिज्यूमे को सशक्त बनाया जा सके।

 उपयोगकर्ता अपने व्यक्तिगत विवरण, कार्य इतिहास, शैक्षिक पृष्ठभूमि और कौशल सेट को एप्लिकेशन में इनपुट कर सकते हैं, जो तब बुद्धिमानी से जानकारी का विश्लेषण करता है, प्रासंगिक सामग्री का सुझाव देता है, और इसे एक आकर्षक फिर से शुरू करने वाले लेआउट में प्रारूपित करता है। आवेदक ट्रैकिंग सिस्टम में रिज्यूमे की दृश्यता बढ़ाने के लिए प्रोजेक्ट में कीवर्ड ऑप्टिमाइज़ेशन तकनीक भी शामिल है।

रेज़्यूमे बिल्डर प्रोजेक्ट का उद्देश्य नौकरी चाहने वालों के सामने आने वाली कई सामान्य चुनौतियों का समाधान करना है, जैसे कि समय लेने वाली फ़ॉर्मेटिंग, रेज़्यूमे लेखन विशेषज्ञता की कमी, और विशिष्ट नौकरी की आवश्यकताओं के लिए रेज़्यूमे तैयार करने में कठिनाई। एक सुव्यवस्थित और स्वचालित समाधान प्रदान करके, परियोजना का उद्देश्य उपयोगकर्ताओं के मूल्यवान समय और प्रयास को बचाना है जबकि उनके फिर से शुरू की गुणवत्ता और प्रतिस्पर्धात्मकता में उल्लेखनीय सुधार करना है।

TABLE OF CONTENTS

1. INTRODUCTION

The resume builder project, an innovative tool designed to help you create a professional and impressive resume in just a few simple steps. Our website provides a user-friendly interface that makes it simple to enter your personal information, professional experience, educational background, and other pertinent data to create a high-quality and personalised resume. We also encourage our users to contribute and share their own template designs with us. By sharing your designs with our community, you can help other job seekers create standout resumes that showcase their unique skills and experiences. With a range of customizable templates to choose from, you can easily tailor your resume to your preferred style and format. To create the visual elements of our platform, we've used HTML and CSS, two front-end technologies that allow us to create a responsive and visually appealing user interface. With Node.js, we are handling complex data input and output, ensuring that the user can quickly and easily input all their relevant information. We've integrated MySQL, a popular and reliable open-source database management system, to provide users with a secure and scalable platform for storing and accessing their resume data.

1.1 RECOGNITION OF NEED

i. The old manual system was suffering from a series of drawbacks. Since whole of the system was to be maintained with hands the process of keeping, maintaining and retrieving the information was very tedious and lengthy.

ii. The records were never used to be in a systematic order. In traditional Resume Builder, there used to be lots of difficulties in associating any particular transaction with a particular context.

iii. Building a resume from scratch can be a time-consuming process. An online resume builder can save your time by providing customizable templates.

iv. There would always be unnecessary consumption of time while entering records and retrieving records.

v. One more problem was that it was very difficult to find errors while entering the records. Once the records were entered it was very difficult to update these records.

vi. An online resume builder can provide a more professional look to your resume than a Word document or a handwritten one.

vii.   Manage the resume details by editing and updating the particular resume sections for user convenience for future updates in their job profile.

1.2 PROBLEM IDENTIFICATION

i.   With the help of this system the users can create their resume using only one platform instead of using various software for integrating different requirements.

ii.   In this system easy updation and deletion of the particular section of the resume is available, so that user can modify their information as per the future profile updates.

iii.   Job seekers who are not aware of the proper format of the resume may struggle to create a well written document. Therefore, the online resume builder creates resume that accurately represent their qualification.

iv.   In this system we provide two template designs and contributors can also provide templates with us which would be easily available to the users.

1.3 STRATEGIES OF DETERMINING INFORMATION REQUIREMENT

i.   First of all, understand the project well, then gather ideas related to best possible design and decided what latest technologies can be used to develop the website along with all the team members.

ii.   Taken help from the resume worded website (https://resumeworded.com/) for few UI screens, templates designs are inspired from MS Word resume templates and Google. Taken infographic designs reference from https://www.freepik.com/ .

iii.   Taken website icons from https://www.flaticon.com/ and images, gifs from https://www.pngtree.com/ , https://www.giphy.com/ respectively.

1.4 ADVANTAGES

i.   **Up-to-date -** The job seeker gets a clean professional looking format with up-to-date design

ii.   **User-friendly -** Online resume builders are often designed to be user-friendly, with easy-to-use interfaces and step-by-step instructions.

iii. **Easy-customization -** Online resumes can be easily updated and modified as needed. This can be especially helpful for job seekers who need to customize their resumes to different job opportunities.

iv. **Time-saving** - Online resume builders can be a time-saving solution for job seekers who need to create a resume quickly. They can be used to create a new resume from scratch or to modify an existing one.

v. Reduced paperwork.

2. FEASIBILITY STUDY

The proposed solution should satisfy all the user requirements and should be flexible enough so that future changes can be easily done based on the future upcoming requirements.

2.1 ECONOMIC FEASIBILITY

The significant investment in the overall development of Resume Builder under the tenure of three months, includes the cost of personal salaries for all the developers, testers and designers. Equipment cost of acquiring hardware and software for the project. The template contributors on the website will also be paid by us so that cost will also be included. It also includes the documentation cost. So, the overall cost of the system is around Rs 20,000. We decided the technology based on minimum possible cost factor and by considering all the factors that will surely overcome the initial costs.

S.No.	TITLE	COST (for 3 months)
1.	Hardware	₹ 8000
2.	Software	₹ 5000
3.	Documentation	₹ 1000
4.	Per Template Contribution	₹ 500
5.	Developer	₹ 2500
6.	Tester	₹ 1000
7.	Designer	₹ 2000
Total		₹ 20000 Approx

2.2 TECHNICAL FEASIBILITY

S.No.	HARDWARE REQUIREMENT	
1.	RAM	4GB
2.	Processor	Intel Core i5, Ryzen 5
3.	Hard Disk	512 SSD or 1TB

S.No.	SOFTWARE REQUIREMENT	
1.	Operating System	Window 11
2.	Server	MySQL Server, Node.js Server
3.	Tools	VS Code, Adobe, MS Word
4.	Browsers	Google Chrome, Microsoft Edge, Mozilla Firefox

S.No.	TECHNICAL REQUIREMENT	
1.	Frontend	HTML, CSS, JavaScript
2.	Backend	MySQL, Node.js

2.3 BEHAVIORAL FEASIBILITY

i. The user interface of the website is user-friendly and easy to navigate. The website also provides clear instructions and guidance to users at every step of the process.

ii. After some time if any issues occur in our system, then we provide free services to repair the system to the client.

iii. A proper training has been conducted to let know the essence of the system to the users, so that they feel comfortable.

3. SYSTEM ANALYSIS

3.1 DFD (Level – 0)

```
Admin ──────────┐
                 │
Customer ───────┐│
                ││
Contributors ──┐││
               ▼▼▼
            ╭─────────╮         User_info
Guest ─────▶│ RESUME  │────────▶ Resume_Details
            │ BUILDER │────────▶ Contact_Us
            ╰─────────╯────────▶ Contributors_info
                              ──▶ User_report
                              ──▶ Feedback_info
```

Admin

Customer

Contributors

Guest

RESUME BUILDER

User_info

Resume_Details

Contact_Us

Contributors_info

User_report

Feedback_info

6
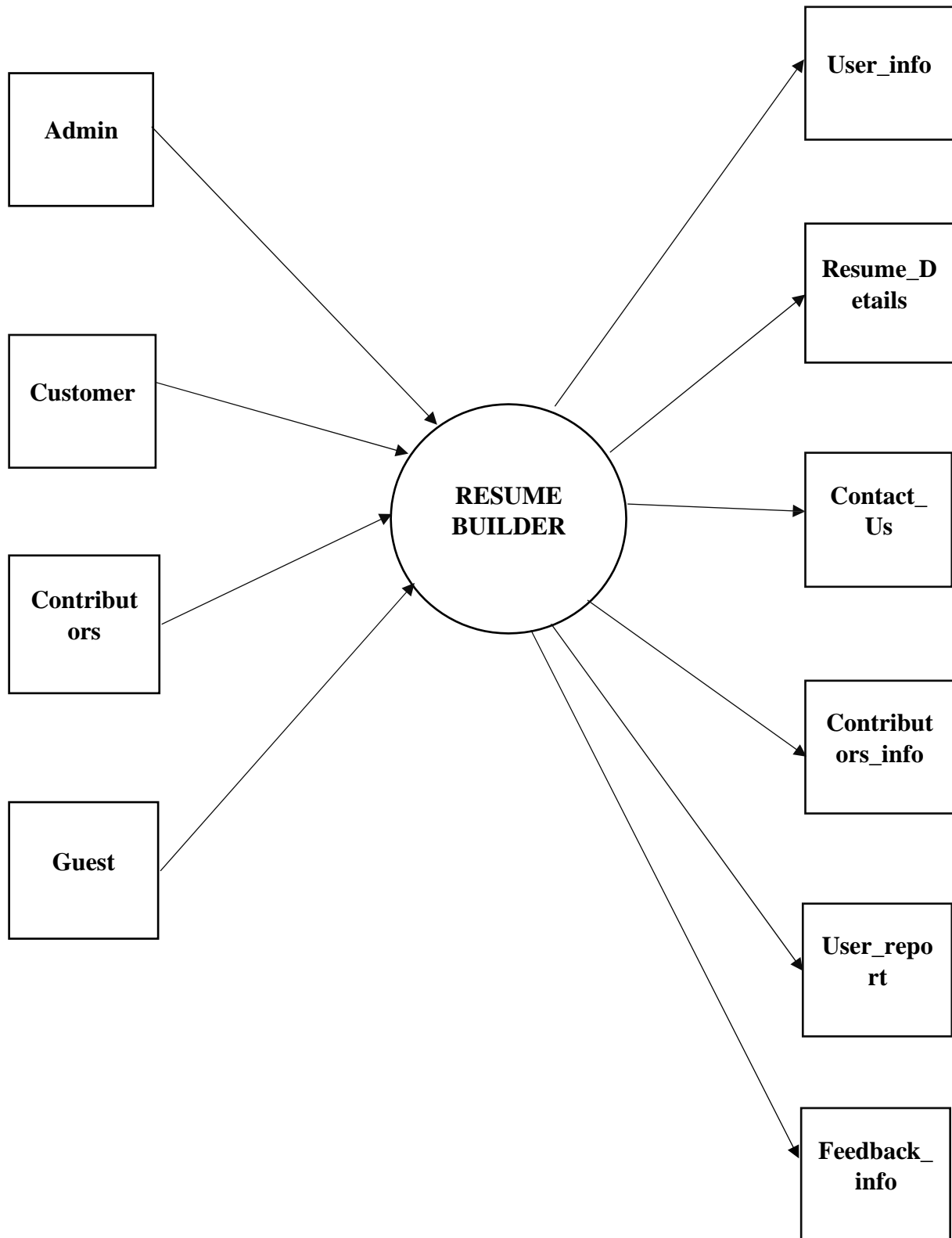
3.2 DFD ADMIN (Level - 1)
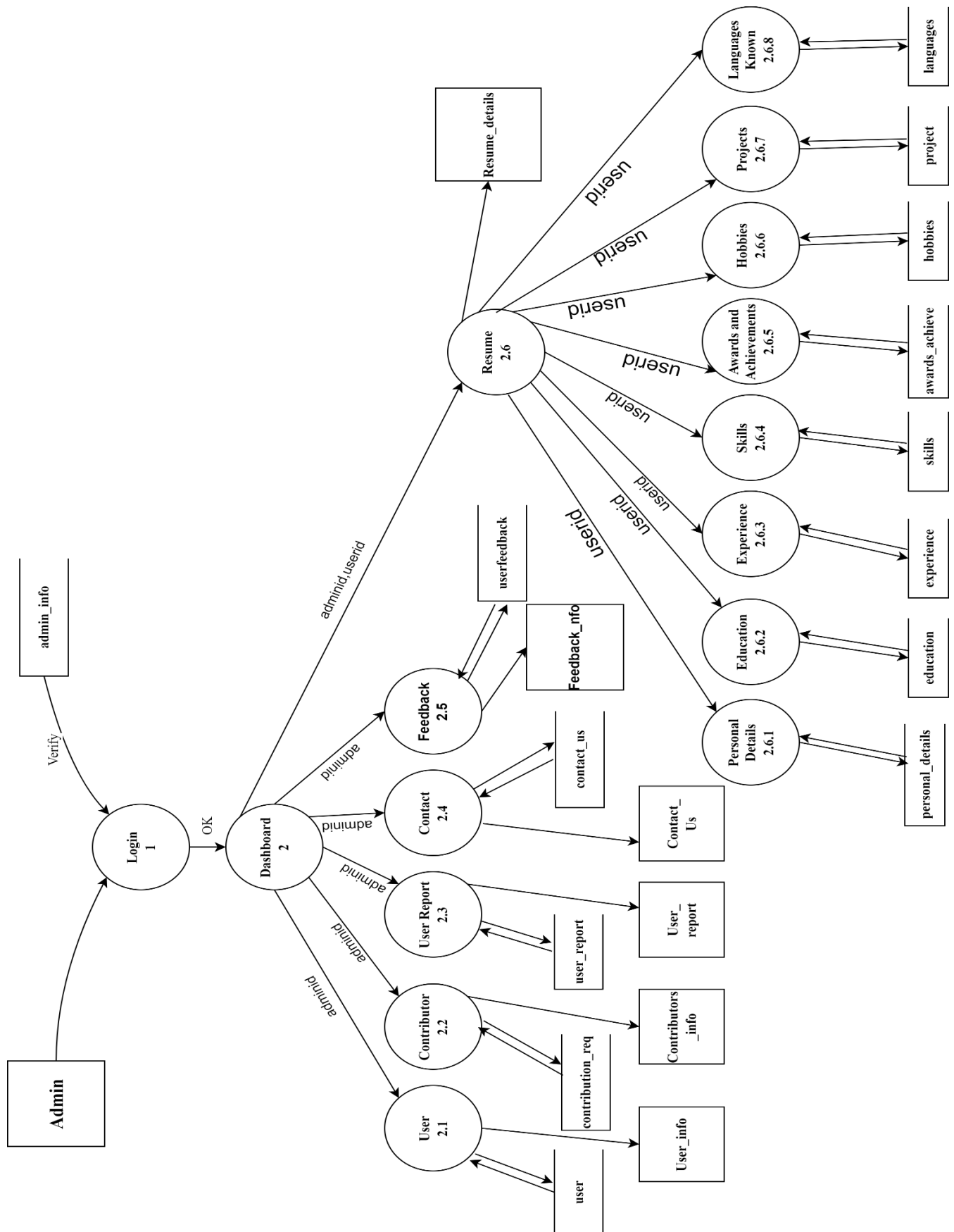
3.3 DFD USER (Level – 1)
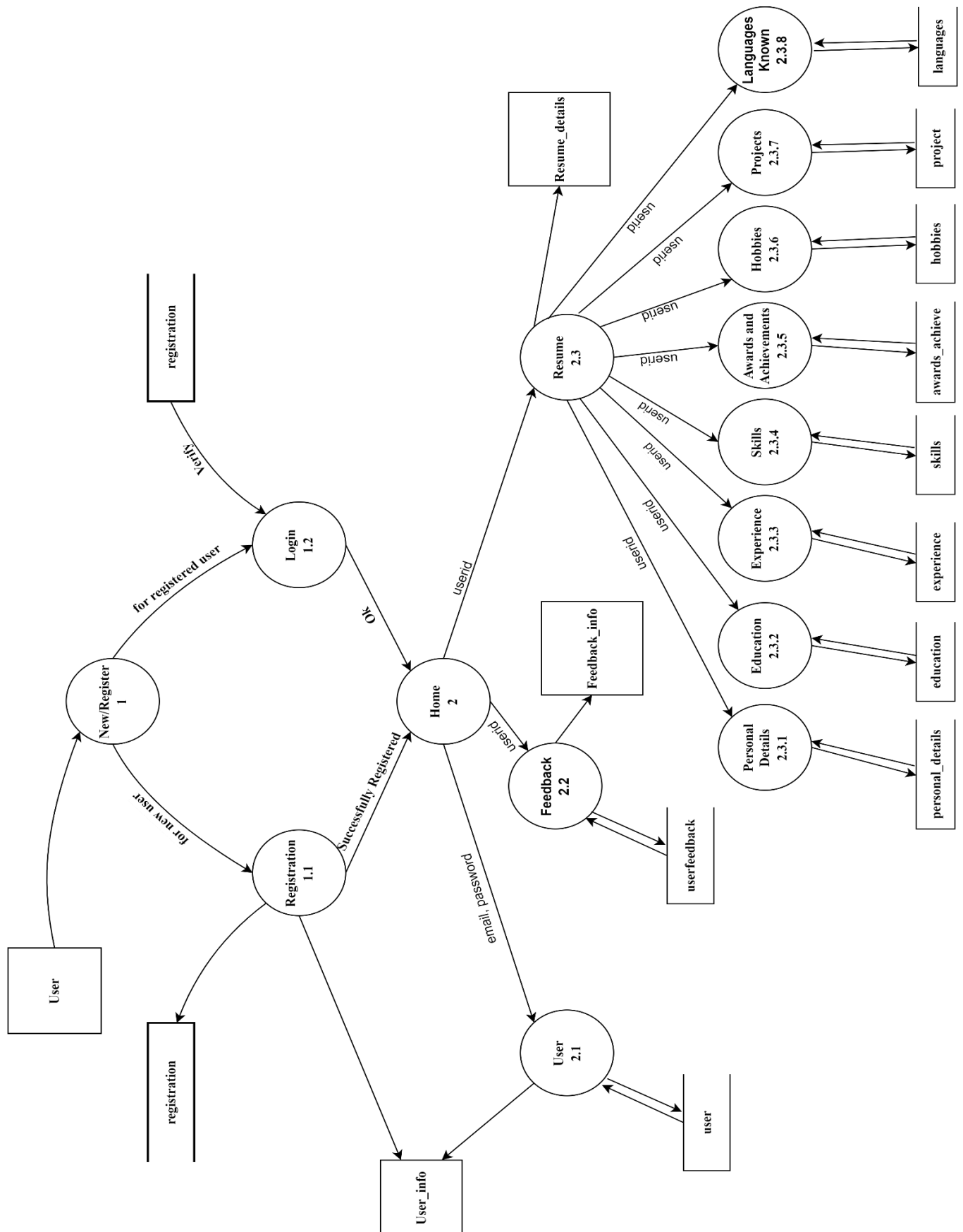
3.4 DFD CONTRIBUTOR (Level - 1)
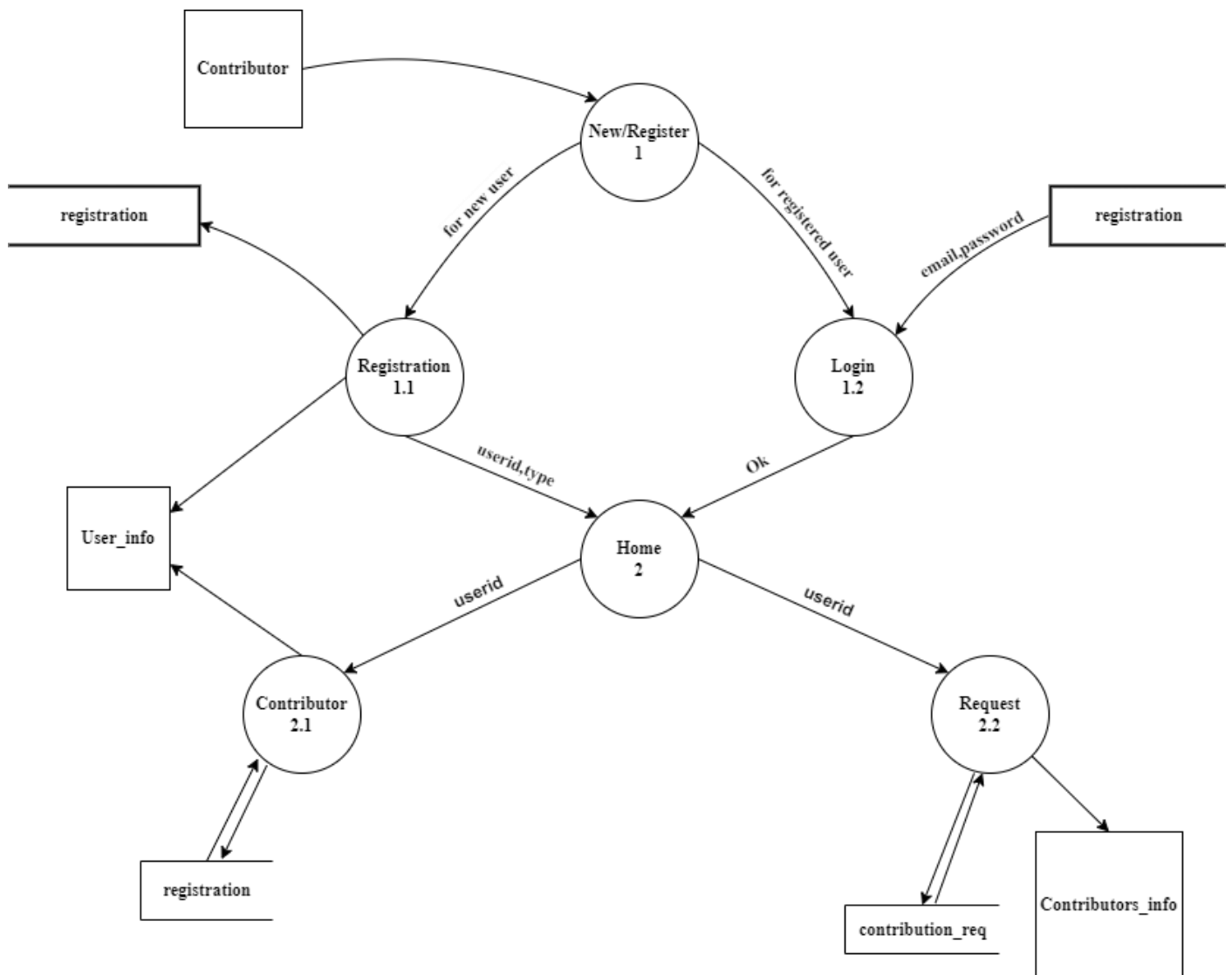
4. SYSTEM DESIGN

4.1 Database Design

Registration Table :

Table 1 : registration				
Description :		Record information regarding user registration**.**		
S.No.	**Field Name**	**Field Type**	**Constraint**	**Description**
1.	userid	int(11)	Primary Key AI	Holds unique id for user.
2.	name	varchar(45)	not null	Holds user name.
3.	email	varchar(45)	not null	Holds user email.
4.	password	varchar(45)	not null	Holds user password.
5.	type	varchar(45)	not null	Holds user type.

Personal Details Table :

Table 2 : personal_details				
Description :		Record information regarding user personal details**.**		
S.No.	**Field Name**	**Field Type**	**Constraint**	**Description**
1.	userid	int(11)	not null	Holds userid of user.
2.	fname	varchar(45)	not null	Holds user first name.
3.	lname	varchar(45)	not null	Holds user last name.
4.	pemail	varchar(45)	not null	Holds user resume email.
5.	mobile	varchar(45)	not null	Holds user resume contact.
6.	designation	varchar(45)	not null	Holds user designation.
7.	linkedin	varchar(200)	not null	Holds user LinkedIn Id.
8.	address	text	not null	Holds user address.
9.	objective	text	not null	Holds user career objective.
10.	photo	varchar(10000)	not null	Holds user profile photo.

Education Table :

Table 3 : education				
Description :		Record information regarding user education details**.**		
S.No.	**Field Name**	**Field Type**	**Constraint**	**Description**
1.	userid	int(11)	not null	Holds userid of user.
2.	ssc_passyear	varchar(45)	not null	Holds user SSC passing year.
3.	ssc_per	varchar(45)	not null	Holds user SSC percentage.
4.	hsc_passyear	varchar(45)	not null	Holds user HSC passing year.
5.	hsc_per	varchar(45)	not null	Holds user HSC percentage.
6.	hsc_spec	varchar(45)	not null	Holds user HSC specialization
7.	ug_passyear	varchar(45)	not null	Holds user UG passing year.
8.	ug_cgpa	varchar(45)	not null	Holds user UG CGPA.
9.	ug_spec	varchar(45)	not null	Holds user UG specialization.
10.	pg_passyear	varchar(45)	not null	Holds user PG passing year.
11.	pg_cgpa	varchar(45)	not null	Holds user PG CGPA.
12.	pg_spec	varchar(45)	not null	Holds user PG specialization.

Experience Table :

Table 4 : experience				
Description :		Record information regarding user working experience details**.**		
S.No.	**Field Name**	**Field Type**	**Constraint**	**Description**
1.	experienceid	int(11)	Primary Key AI	Holds unique experience id.
2.	userid	int(11)	not null	Holds userid of user.
3.	company	varchar(45)	not null	Holds company name.
4.	timeperiod	varchar(45)	not null	Holds time period worked.
5.	description	longtext	not null	Holds experience description.

Skills Table :

Table 5 : skills				
Description :		Record information regarding user skills**.**		
S.No.	**Field Name**	**Field Type**	**Constraint**	**Description**
1.	skillid	int(11)	Primary Key AI	Holds unique skill id.
2.	userid	int(11)	not null	Holds userid of user
3.	skill	varchar(45)	not null	Holds user skills.

Hobbies Table :

<table>
<tr><td colspan="5" align="center">Table 6 : hobbies</td></tr>
<tr><td colspan="2" align="center">Description :</td><td colspan="3" align="center">Record information regarding user hobbies.</td></tr>
<tr><td>S.No.</td><td>Field Name</td><td>Field Type</td><td>Constraint</td><td>Description</td></tr>
<tr><td>1.</td><td>hobbyid</td><td>int(11)</td><td>Primary Key AI</td><td>Holds unique hobbies id.</td></tr>
<tr><td>2.</td><td>userid</td><td>int(11)</td><td>not null</td><td>Holds userid of user</td></tr>
<tr><td>3.</td><td>hobbies</td><td>varchar(45)</td><td>not null</td><td>Holds user hobbies.</td></tr>
</table>

Languages Table :

<table>
<tr><td colspan="5" align="center">Table 7 : languages</td></tr>
<tr><td colspan="2" align="center">Description :</td><td colspan="3" align="center">Record information regarding user languages.</td></tr>
<tr><td>S.No.</td><td>Field Name</td><td>Field Type</td><td>Constraint</td><td>Description</td></tr>
<tr><td>1.</td><td>languagesid</td><td>int(11)</td><td>Primary Key AI</td><td>Holds unique language id.</td></tr>
<tr><td>2.</td><td>userid</td><td>int(11)</td><td>not null</td><td>Holds userid of user</td></tr>
<tr><td>3.</td><td>languages</td><td>varchar(45)</td><td>not null</td><td>Holds user languages.</td></tr>
</table>

Project Table :

<table>
<tr><td colspan="5" align="center">Table 8 : project</td></tr>
<tr><td colspan="2" align="center">Description :</td><td colspan="3" align="center">Record information regarding user projects.</td></tr>
<tr><td>S.No.</td><td>Field Name</td><td>Field Type</td><td>Constraint</td><td>Description</td></tr>
<tr><td>1.</td><td>projectid</td><td>int(11)</td><td>Primary Key AI</td><td>Holds unique project id.</td></tr>
<tr><td>2.</td><td>userid</td><td>int(11)</td><td>not null</td><td>Holds userid of user.</td></tr>
<tr><td>3.</td><td>projectname</td><td>varchar(45)</td><td>not null</td><td>Holds project name.</td></tr>
<tr><td>4.</td><td>role</td><td>varchar(45)</td><td>not null</td><td>Holds role of user in project.</td></tr>
<tr><td>5.</td><td>projectlink</td><td>varchar(45)</td><td>not null</td><td>Holds project link.</td></tr>
<tr><td>6.</td><td>projectdesc</td><td>text</td><td>not null</td><td>Holds project description.</td></tr>
</table>

Awards and Achievements Table :

<table>
<tr><td colspan="5" align="center">Table 9 : awards_achieve</td></tr>
<tr><td colspan="2" align="center">Description :</td><td colspan="3" align="center">Record information regarding user awards and achievements .</td></tr>
<tr><td>S.No.</td><td>Field Name</td><td>Field Type</td><td>Constraint</td><td>Description</td></tr>
<tr><td>1.</td><td>awardsid</td><td>int(11)</td><td>Primary Key AI</td><td>Holds unique awards id.</td></tr>
<tr><td>2.</td><td>userid</td><td>int(11)</td><td>not null</td><td>Holds userid of user.</td></tr>
<tr><td>3.</td><td>validfrom</td><td>date</td><td>not null</td><td>Holds date award is received.</td></tr>
<tr><td>4.</td><td>validto</td><td>date</td><td>not null</td><td>Holds date till award is valid.</td></tr>
<tr><td>5.</td><td>award_desc</td><td>text</td><td>not null</td><td>Holds awards description.</td></tr>
</table>

Contact Us Table :

<table>
<tr><td colspan="5" align="center">Table 10 : contactus</td></tr>
<tr><td colspan="2" align="center">Description :</td><td colspan="3" align="center">Record information regarding user query information .</td></tr>
<tr><td>S.No.</td><td>Field Name</td><td>Field Type</td><td>Constraint</td><td>Description</td></tr>
<tr><td>1.</td><td>contactid</td><td>int(11)</td><td>Primary Key AI</td><td>Holds user unique contact id.</td></tr>
<tr><td>2.</td><td>name</td><td>varchar(45)</td><td>not null</td><td>Holds user name.</td></tr>
<tr><td>3.</td><td>mobileno</td><td>varchar(45)</td><td>not null</td><td>Holds user contact number.</td></tr>
<tr><td>4.</td><td>email</td><td>varchar(45)</td><td>not null</td><td>Holds user email.</td></tr>
<tr><td>5.</td><td>review</td><td>longtext</td><td>not null</td><td>Holds user review.</td></tr>
</table>

Feedback Table :

<table>
<tr><td colspan="5" align="center">Table 11 : userfeedback</td></tr>
<tr><td colspan="2" align="center">Description :</td><td colspan="3" align="center">Record information regarding user feedback.</td></tr>
<tr><td>S.No.</td><td>Field Name</td><td>Field Type</td><td>Constraint</td><td>Description</td></tr>
<tr><td>1.</td><td>feedbackid</td><td>int(11)</td><td>Primary Key AI</td><td>Holds unique feedback id.</td></tr>
<tr><td>2.</td><td>userid</td><td>int(11)</td><td>not null</td><td>Holds userid of user.</td></tr>
<tr><td>3.</td><td>name</td><td>varchar(45)</td><td>not null</td><td>Holds user name.</td></tr>
<tr><td>4.</td><td>mobile</td><td>varchar(10)</td><td>not null</td><td>Holds user contact number.</td></tr>
<tr><td>5.</td><td>email</td><td>varchar(45)</td><td>not null</td><td>Holds user email.</td></tr>
<tr><td>6.</td><td>feedback</td><td>text</td><td>not null</td><td>Holds feedback description.</td></tr>
</table>

4.2 Entity Relationship Diagram