

“DISABILITY SCHEME SUVIDHA”

‘One-point solution to avail your Disability Benefits! Cause you are not disabled; you are just Differently-abled.’

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Abstract - India has various disability schemes in place to support persons with disabilities, including financial assistance, education, employment, and accessibility measures. These schemes are implemented by the Ministry of Social Justice and Empowerment and are aimed at promoting the welfare and social inclusion of persons with disabilities. The current method of handling disability schemes in India has been criticized for being inadequate and inefficient, with many eligible individuals not receiving the benefits they are entitled to. There are also concerns about the lack of accessibility and awareness of these schemes among the disabled population, leading to underutilization of the available resources. Efforts are being made to address these issues and improve the implementation of disability schemes in the country. Our aim is to create a comprehensive application that integrates all the disability schemes processes into one platform and be a useful solution to improve the accessibility and efficiency of these programs and schemes in India. Additionally, efforts are made to ensure the security and privacy of user data and necessary support to individuals who may require assistance in using our application.

1. Introduction

Disability is not just a result of an individual's impairment but also the societal and environmental barriers that prevent their full and equal participation in society. According to Census 2011, 2.21% of India's population comprises disabled individuals. India signed and ratified the United Nations Convention on Rights of Persons with Disability in 2007 and subsequently enacted the Rights of Persons with Disabilities Act 2016, which expanded the number of recognized disabilities from seven to twenty-one. The implementation of government schemes is essential for ensuring the socio-economic welfare of citizens. However, the conventional practice of manually administering these schemes poses significant challenges for the differently-abled individuals who have to physically visit government offices and often lack adequate knowledge to fill the required forms. This results in delays in receiving the benefits, causing undue stress and financial strain. Smartphones have become an integral part of people's lives, and they can be especially beneficial for individuals with disabilities. With the help of various applications, disabled individuals can carry out daily activities more easily. However, the availability of applications specifically designed for the disabled community is limited. There is a need for more developers to focus on creating applications that can assist and guide disabled individuals in their daily lives. Such applications can help with various aspects, including communication, mobility, and accessibility. Additionally, the use of assistive technologies such as voice recognition and touchscreens can be beneficial for individuals with disabilities. By developing more applications and integrating assistive technologies, smartphones can become even more useful for disabled individuals and help them to live a more independent and fulfilling life.

Scheme Suvidha is an all-encompassing app that simplifies the process of registering and availing government benefits. It offers a streamlined process from registration to verification and benefit disbursement. The app is specifically designed to cater to the needs of disabled individuals, who don't have to even worry about the login

process as certified agents handle their login credentials and registration. With Scheme Suvidha, disabled individuals can easily access government schemes and benefits, improving their quality of life and easing financial strain.

2. Proposed Idea

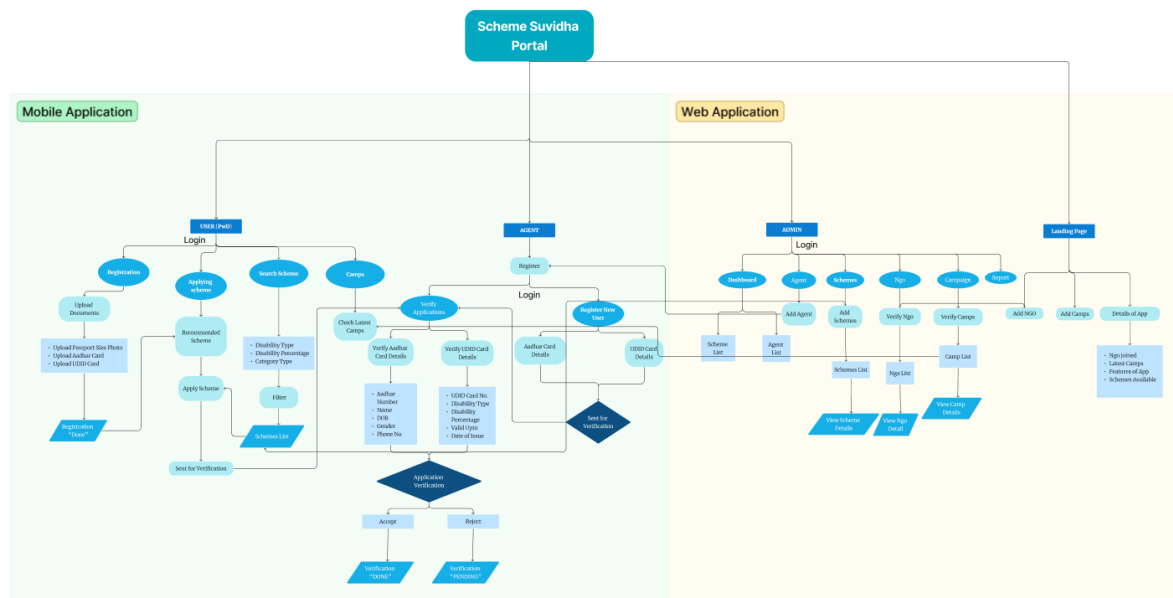


Figure 1 – Project Flowchart

Our application offers both a mobile and web-based platform, but for now, let's focus on the features and benefits of our mobile application. Our mobile application consists of two categories: users (people with disabilities) and agents. Users can have a family member as a support person who can log in to our app on their behalf. After successful login and OTP verification, the support person can use the app to access benefits for the user. This feature enables seamless access to our services, ensuring users can easily receive the support they need. After successful login, the user can access our app's services. These include Registration, Scheme Application, Scheme Search, and Camps Info. The app provides a one-stop-shop for users to access all these features flawlessly. Our goal is to make it easy for users to find and apply for schemes that can benefit them. By offering these services, we hope to make a positive impact on the lives of people with disabilities.

Under the registration process, the user is required to upload certain documents such as a passport size photo, their Aadhaar card, and their UDID card (if available). UDID basically stands for Unique Disability ID-entity, which is a unique ID card issued to persons with disabilities in India. The UDID card serves as a single document that contains comprehensive information about the individual's disability and can be used to access various government schemes and benefits. After uploading the required documents, the user's details will be fetched from our database and automatically filled in the relevant fields. Users can also verify the details and make any necessary changes if required. Once the user verifies and submits their details, they can click the submit button in the application. A prompt will then confirm that the registration process is complete. By receiving this prompt, the user can be assured that their registration details have been successfully submitted and they can move on to the next step applying for the schemes, which is offered by our application.

Thus, to summarize, the registration process involves uploading necessary documents, auto-filling user details, verifying and submitting them, and receiving a prompt upon completion.

Our recommendation system utilizes the user's details from the registration phase to suggest the best-suited government schemes based on all relevant clauses, and presents the top three matches to the user. Once the user selects a scheme to apply for, their details are forwarded for verification of eligibility for that particular scheme.

Our application also offers the ability for users to search for specific disability schemes based on their disability type, disability percentage, and category type through our search filters. Once the user sets the filters, the application displays a list of schemes that match the user's criteria, making it easier for them to find the appropriate scheme.

Under the "Camps" service, users can access the latest information on camps relevant to their disability, including the location, timing, and services provided, enabling them to participate in these camps and benefit from the facilities and resources available.

In our mobile application, we have a category for Agents who can register themselves by providing the necessary details and undergo a verification process to ensure their authenticity. Once verified, they can log in to the app and access two main services: registering new users and verifying user applications.

To register new users, Agents can input the Aadhar card and UDID card details of the users and send the applications for verification. Upon receiving the application, the certified Agent can verify the user's information and determine whether it is authentic or not. If the application is verified, the Agent can prompt the app that the verification is done. However, if the application is rejected due to incorrect information, the Agent can reject the application. Apart from registering new users, Agents can also verify user applications. This involves checking the information provided by the user and ensuring that it is correct and matches their Aadhar and UDID card details. Once the Agent is 100% sure that the application is genuine, they can send the prompt that the verification is done. This helps to prevent fake applications and ensures the security of our platform.

Our web application features an informative landing page that provides users with a wealth of information. Firstly, the page displays detailed instructions about the latest verified NGOs and the ongoing camps that they are conducting. This information helps users stay up-to-date on the latest social events and charitable activities in their area.

Secondly, the landing page highlights the advantages of our mobile application. Users can learn about the various features of the app, including the ability to register new users and verify user applications. By showcasing the benefits of our mobile app, we hope to encourage more users to download and use it.

Finally, the landing page provides users with an overview of all the disability schemes that are available. This information is helpful for those who are looking for support and assistance for themselves or their loved ones who are living with disabilities. By presenting this information in a clear and accessible manner, we hope to make it easier for users to access the resources they need. Overall, the landing page of our web application is designed to be informative and user-friendly, providing users with the information they need to make the most of our platform.

The admin portal is the most crucial part of our web application and is accessible only to government officials from the disability department. Upon logging in with their credentials, the admin is presented with a dashboard that displays a list of schemes and agents. The admin has several key functions, including the ability to add agents and schemes to the system. Additionally, the admin is responsible for verifying NGO and camps applications and updating the relevant lists. This ensures that only genuine NGOs and camps are featured on our platform, thereby increasing the overall trust and reliability of the system.

Furthermore, the admin is also responsible for generating reports and keeping an active check on the entire system. This includes monitoring user activity, ensuring compliance with regulations and policies, and promoting awareness to increase the number of users. Overall, the admin plays a vital role in maintaining the integrity and success of our platform.

3. Results

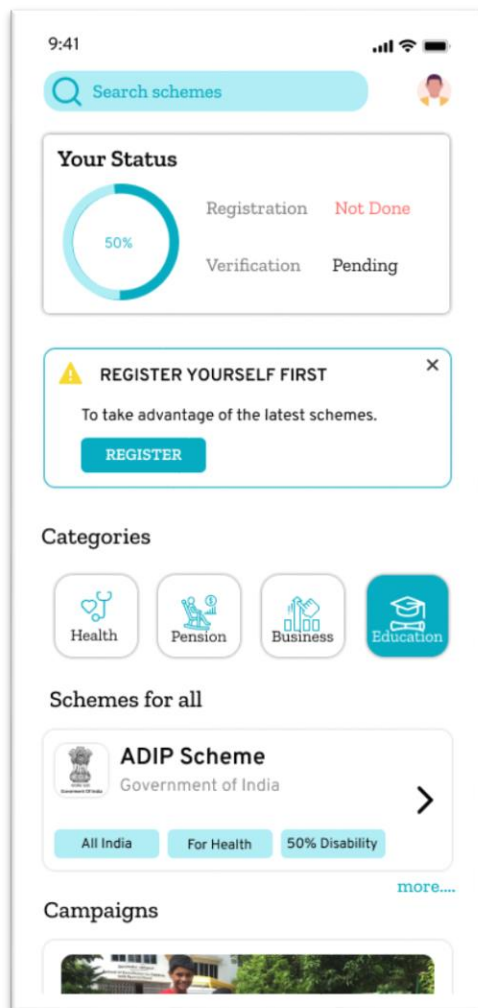


Figure 2 – User HomePage

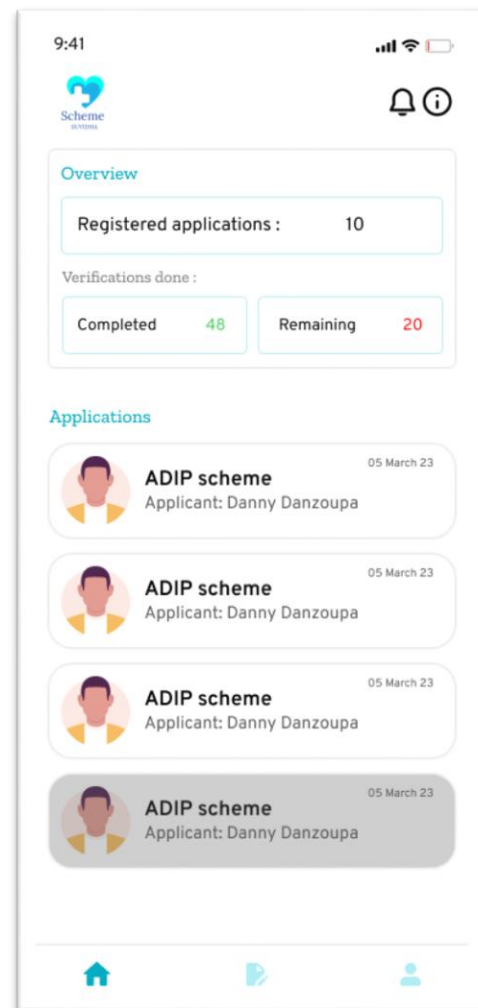


Figure 3 – Agent HomePage

When a user logs into the mobile application, they are presented with the homepage (Fig.2). This serves as a starting point for the user's journey through the app. The homepage is designed to provide users with quick access to important information and features. It is typically divided into different sections, each with a specific purpose. One of the most prominent sections on the homepage is the Status section. Here, users can see their registration and verification status. This information is critical, as it determines the user's eligibility for various services and features within the app. For new users, this section will display 'Not done' until they complete the registration process. Another section of the homepage is the Categories section. This provides users with an overview of the various schemes offered by the app. Each scheme is listed with its name and specific criteria. This allows users to easily browse through the available options and determine which ones they may be eligible for. Overall, the homepage serves as a central hub for the mobile application, providing users with a quick and easy way to access important information and features. By presenting information in a clear and organized manner, the homepage helps users navigate the app more efficiently and effectively.

The Agent Homepage (Fig.3) is designed to provide agents with quick and easy access to the various services and features required of them. Upon logging into the mobile application, agents are presented with a dashboard that serves as a central hub for their activities. The first section on the Agent Homepage is the Overview. Here, agents can quickly see the total number of users they have registered, as well as the total number of users whose

verification is complete. Additionally, agents can view the number of users who still require verification. This information is critical for agents, as it allows them to track their progress and ensure that they are meeting their goals. The second section on the Agent Homepage is the Applications section. Here, agents can view a list of users who have registered through the app. Each applicant's name is displayed, along with additional information such as their registration status and verification status. This allows agents to quickly identify users who require further attention or follow-up. Overall, the Agent Homepage is designed to be intuitive and user-friendly, allowing agents to easily access the information they need to perform their duties. By providing agents with real-time data and insights, the Agent Homepage helps to streamline the registration and verification process, ensuring that users receive the services they need in a timely and efficient manner.

9:41

Upload UDID card

UNIQUE DISABILITY ID
Government of India

UPI / Name
Ramesh Patel

UD ID
GJ2310119740001706

Disability Type
Blindness

Year of Birth
1974

% of Disability
90% (Ninety Percent)

Date of Issue
09/09/2016

Valid Upto
Permanent

UDID Card Details
UDID Card No.
GJ2310119740001706

Name
Ramesh Patel

Disability Type
Blindness

Disability Percentage
90%

Date Of Issue
09/09/2016

Valid Upto
Permanent

continue

Figure 4 – Upload UDID Card

9:41

< Campaign

Know your rights - an initiative towards your better future

Description : This is an initiative to raise awareness

Category : Health and Purchase of aids

Camp benefit : Free distribution of assistive aids and devices to divyang

Organization : Minister of Social Justice and Empowerment

Place : Mumbai

Date : 01 April 2023

Time : 10:00 AM - 06:00 PM

Figure 5 – Scheme Details

The Upload UDID Card page (Fig.4) is an important part of the registration process for users of the mobile application. This page allows users to upload their UDID card, which is a unique 18-digit alphanumeric identifier that is used to verify their identity. When a user uploads their UDID card, the app automatically fetches the corresponding details from its database. These details are then auto-filled into the appropriate fields on the page, making it easier for users to complete the registration process. After the details have been auto-filled, users can double-check to ensure that they are correct. If there are any errors, the user can make changes as necessary. Once the details have been verified and are accurate, the user can then submit the information and complete the registration process. Overall, the Upload UDID Card page is a critical component of the mobile application's registration process. By automating the process of filling in user information, the page helps to streamline the registration process and make it more user-friendly. This, in turn, helps to ensure that users are able to complete the registration process quickly and efficiently, allowing them to access the various features and services offered by the app.

The Campaign Awareness page (Fig.5) is an important feature of the mobile application, designed to keep users informed about the various campaigns and events happening in their local community. This page displays all the necessary information about upcoming campaigns, including the time and location of the event, as well as the purpose and goal of the campaign.

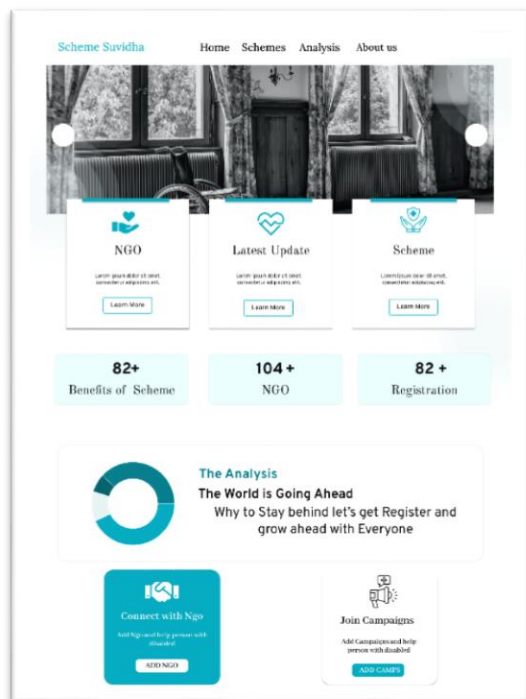


Figure 6 – Landing Page

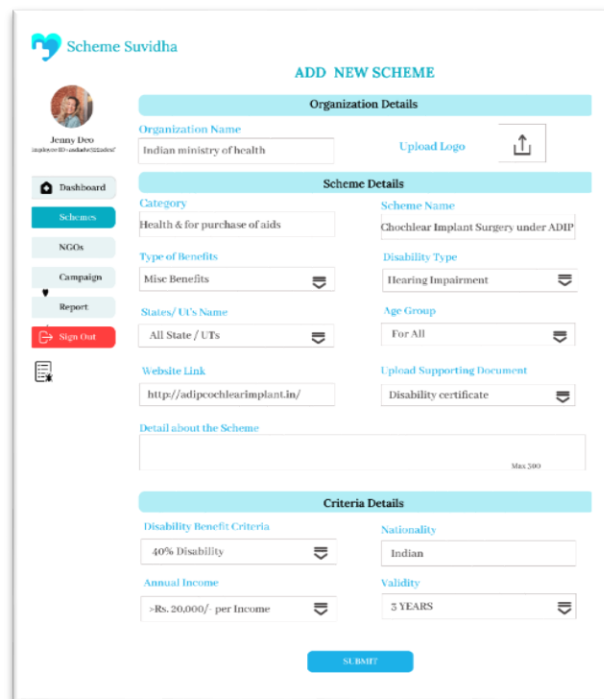


Figure 7 – Add New Scheme Page

The web interface (Fig.6) is designed to be user-friendly, allowing authorized personnel to easily add and manage information about new NGOs and camps with minimal hassle. This feature also ensures that our platform remains flexible and adaptable to changing circumstances, allowing us to quickly add new information as needed. By empowering authorized personnel to update the platform, we can ensure that our users always have access to the most comprehensive and accurate information possible.

Our web application offers a range of services to users, primarily focused on their welfare. Our platform provides users with easy access to information about the services, programs, and activities offered by these NGOs. We aim to promote transparency and accountability by only featuring verified and active NGOs that are recognized by the Government. We aim to keep users up-to-date with the latest campaigns and information about agents, as well as with the information about the schemes available. Our users can easily access details about all the schemes and programs available, as well as information about the number of people who have benefitted from these programs. Additionally, we provide statistics on the number of registered users on our platform, ensuring that users are informed about our impact and the reach of our services. Our web project also provides an intuitive and easy-to-use administrative interface, allowing authorized personnel to add information about new NGOs and camps.

Our web project includes an "Add New Scheme" page (Fig.7) that enables authorized personnel to easily add new schemes to our database. The page includes fields for organization details, including the name and contact information for the organization offering the scheme. Users can also provide detailed information about the scheme itself, including its name, category, and other relevant details. Additionally, users can enter criteria details, outlining the eligibility requirements for the scheme. By providing a user-friendly interface for adding new schemes to our database, we aim to ensure that our platform remains comprehensive and up-to-date, providing users with access to the most relevant and useful information possible.

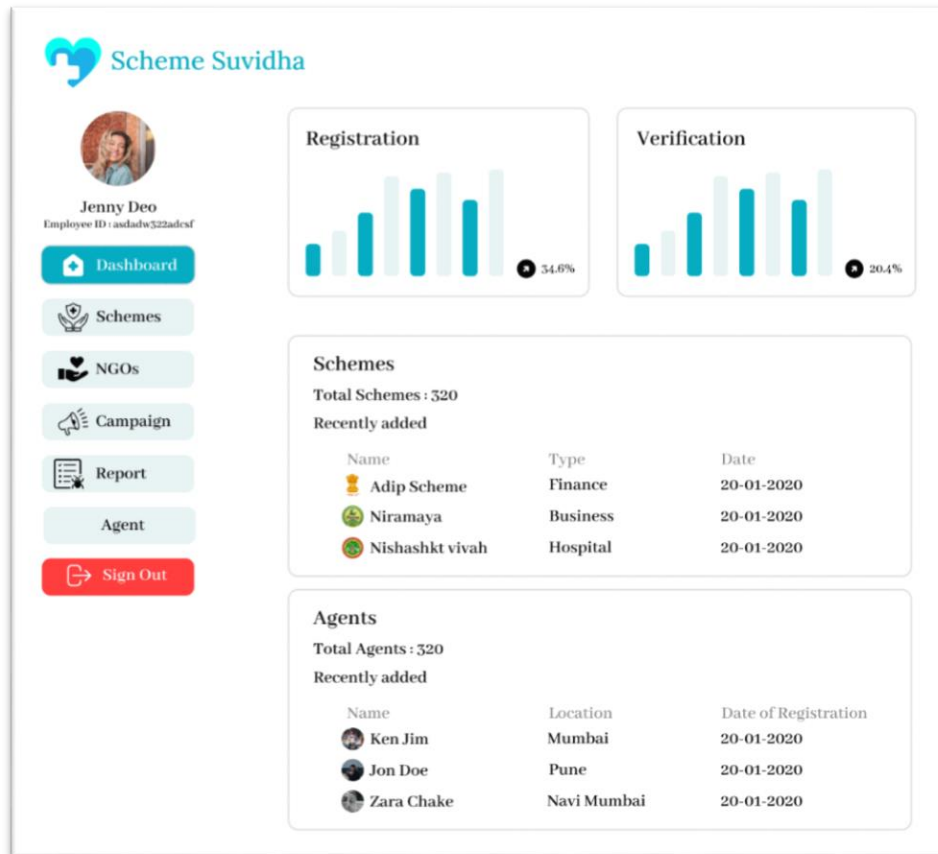


Figure 8 – Admin Dashboard

The Dashboard page is the first page that the admin sees after logging into the portal using their credentials. This page provides an overview of all the functions and services offered by the mobile application, and is designed to be user-friendly and easy to navigate. The first section on the Dashboard page is the Registration and Verification section, which provides an overview of the total number of registered and verified users over a specified time frame. This information is presented using data visualization, making it easy for the admin to understand and analyse the data. The next section on the Dashboard page is the Schemes section, which displays a list of all the available schemes in the mobile application. Each scheme is presented in brief, with details about its eligibility criteria and other important information. The final section on the Dashboard page is the Agents section, which provides an overview of the total number of agents and a list of recently added ones. This section is designed to give the admin a quick and easy way to keep track of the agents who are working on behalf of the mobile application. Overall, the Dashboard page is an important feature of the admin portal, providing an at-a-glance view of all the key functions and services offered by the mobile application. By presenting this information in a clear and organized manner, the Dashboard page helps to streamline the admin's workflow and make it easier for them to manage the various aspects of the mobile application.

ADD AGENT

Jenny Deo
Employee ID : asdadw522adcsf

Dashboard
Schemes
NGOs
Campaign
Verify Agent
Report
Sign Out

Name:

Email Id:

Password:

Address:

Mobile Number:

Education:

Address Proof:

Date of Registration:

ACCEPT **REJECT**

Figure 9 – Add Agent

One of the key responsibilities of the admin is to manage the list of agents who are authorized to use the mobile application. When an agent submits an admission request, the admin is responsible for reviewing the request (Fig.9), verifying the agent's details, and either accepting or rejecting the request. The process of admitting an agent typically involves several steps. First, the agent submits an application request, providing details such as their name, contact information, and other relevant information. The admin then reviews the application and verifies the agent's details, ensuring that they meet the necessary criteria for admission. Once the admin has verified the agent's details, they can then make a decision about whether to accept or reject the agent's request. If the agent meets all the necessary criteria and has provided accurate and complete information, the admin will typically approve their application and grant them access to the mobile application. On the other hand, if the agent has provided incomplete or inaccurate information, or if they do not meet the necessary criteria for admission, the admin may reject their application. In such cases, the admin will typically provide feedback to the agent, explaining the reasons for the rejection and outlining any steps the agent can take to improve their chances of being admitted in the future. Overall, the process of admitting agents is an important part of the admin's role in managing the mobile application. By carefully reviewing and verifying the details of each agent, the admin can ensure that only qualified and trustworthy agents are granted access to the application, helping to maintain the integrity and security of the system.

4. Conclusion

In conclusion, our project aims to provide disabled people with easy access to the benefits and services they need. By developing a mobile application that is user-friendly, accessible, and intuitive, we hope to make it easier for disabled people to apply for and receive the support they need to live full and independent lives. Our application is designed to be inclusive and responsive to the needs of all users, regardless of their level of ability. By incorporating features such as voice-activated commands, larger fonts, and simpler navigation, we have created a platform that is both accessible and intuitive. We believe that our project has the potential to make a real difference in the lives of disabled people, by helping them to navigate the often complex and confusing world of benefits and services. By providing a simple and effective way to access the support they need, we

hope to empower disabled people to live full and meaningful lives, free from the barriers and obstacles that can sometimes stand in their way.

5. References

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