



## HERE YOU GROW

*(SOFTWARE REQUIREMENTS SPECIFICATION)*

*(DATABASE PROJECT)*

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## **1. Introduction:**

The perceptive of the project is to create an application “Here you Grow”. The main focus is to assist **Pakistanis to find gateways** to education, skills, and life motivations. It will overall improve the efficiency of learning, exploring, and grooming! The System can be accessed by the user through a proper **sign-up** and the user will be able to open all **6 tabs** (Home, Hand on skills, Universities, Innovation, Pakistan Alumnus, Contact our team) providing different features. Users can search about non-academics, academics, and life inspirations stuff at ‘Hand on skills’, ‘Universities’, and ‘Innovation’ and can get opportunities to see different details, directions, links, etc., and get an opportunity to **chat** with other people. We motivate all the Pakistan Alumni from different educational sectors to share their thoughts and opportunities at ‘Pakistan Alumnus’, user can simply go and take a part in these **conversations**. Our Site Team provides regular updates and for dynamic database also gives the user an

### **1.1 Scope:**

‘Here you Grow’ tries to provide easy access to Pakistani youth, to different learning and self-development opportunities. Most passionate people waste a lot of time exploring ‘how they can get a certain skill or information’ and most of us don’t know if some opportunities are available or not and some don’t know about certain platforms that can be very helpful according to their needs. We reduce their wandering time by putting all the related resources in one place and further providing all the main details about that resource/opportunity. Moreover, for further assistance users can take part in Chats and get to know a lot about whatever query is in their mind by simply asking questions there, or reading previous informative chats. ‘Here you Grow’ also provides an amazing feature where Pakistani alumni are encouraged to help the youth of our nation by sharing amazing unique information. ‘Here you Grow’ provides a fast, easy, and effective gateway for youth and students to fulfill their needs in no time and with limited budgets. Our application is based on a relational database that keeps the record of users and information about ‘Hand on skills’, ‘Universities’, and ‘Innovation’. We hope to provide a secure and comfortable environment for user experience. This system will have the following features:

- User recodes
- Main Page
- Hand-on skills Gateway
- Universities Gateway
- Innovation Gateway
- Chats related to your quires in Gateways
- Suggestions from the user (to update application and application’s database with live feedback)
- Pakistan Alumnus Chat
- Contact the Site Team

## 1.2 Glossary:

<b><i>Terms</i></b>	<b><i>Definition</i></b>
<b><i>User</i></b>	A person who can sign up and use all the tabs at our platform
<b><i>Management Team</i></b>	A team who can manage the data of the entire website.

## 1.3 Technologies to be used:

<b><i>Technology</i></b>	<b><i>Description</i></b>
<b><i>Flutter</i></b>	Flutter is an open-source UI software development kit created by Google. It is used to develop cross-platform applications for Android, iOS, Linux, macOS, Windows, Google Fuchsia, and the web from a single codebase
<b><i>Firebase</i></b>	Firebase is a mobile and web application development platform that provides developers with a suite of tools and services for building high-quality apps. It offers a variety of features and services, including real-time database, authentication, cloud storage, hosting, and messaging. These features are designed to simplify the development process, so developers can focus on creating their app's unique features and functionality rather than spending time building infrastructure.
<b><i>Android Studio</i></b>	Android Studio is an integrated development environment (IDE) for creating Android applications. It provides a range of features and tools for developing, testing, and deploying apps on the Android platform. It offers a user-friendly interface and a wide range of functionalities, making it a popular choice among developers.
<b><i>Adobe illustrator</i></b>	Adobe Illustrator is a vector graphics editor and design program developed and marketed by Adobe Inc. Originally designed for the Apple Macintosh, development of Adobe Illustrator began in 1985.
<b><i>Adobe Photoshop</i></b>	Adobe Photoshop is a raster graphics editor developed and published by Adobe Inc. for Windows and macOS. It was originally created in 1988 by Thomas and John Knoll. Since then, the software has become the industry standard not only in raster graphics editing, but in digital art as a whole.
<b><i>VS Code</i></b>	Visual Studio Code is a free source-code editor made by Microsoft for Windows, Linux and macOS. Features include

	support for debugging, syntax highlighting, intelligent code completion, snippets, code refactoring, and embedded Git
<b><i>No SQL</i></b>	A NoSQL database provides a mechanism for storage and retrieval of data that is modeled in means other than the tabular relations used in relational databases. Such databases have existed since the late 1960s, but the name "NoSQL" was only coined in the early 21st century,
<b><i>Dart</i></b>	Dart is a programming language designed for client development, such as for the web and mobile apps. It is developed by Google and can also be used to build server and desktop applications. It is an object-oriented, class-based, garbage-collected language with C-style syntax
<b><i>PicsArt</i></b>	PicsArt is a popular mobile and desktop photo editing application that allows users to create and edit images using a variety of tools and features. The app offers a range of editing tools as well as a variety of filters, effects, and stickers. It also provides advanced editing options and the ability to add text and shapes to images.

## **2. General Description:**

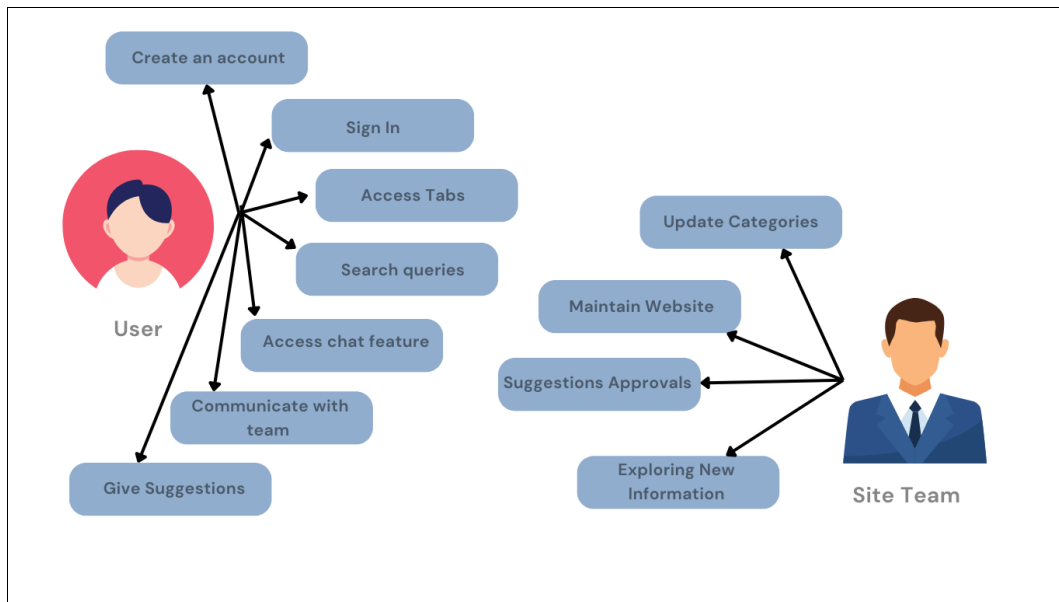
### ***2.1 User Characteristics:***

Application users should be able to create an account and sign in. Users should be able to access all the tabs in our application, able to search related queries, and get some results accordingly. Users should be able to chat with each other and join alumni chats. Users can directly communicate with the site team related to any issue or support. Users should be able to give suggestions about anything relevant (if approved by the site team, updates will be made). Users are required to have basic knowledge of computers and internet browsing

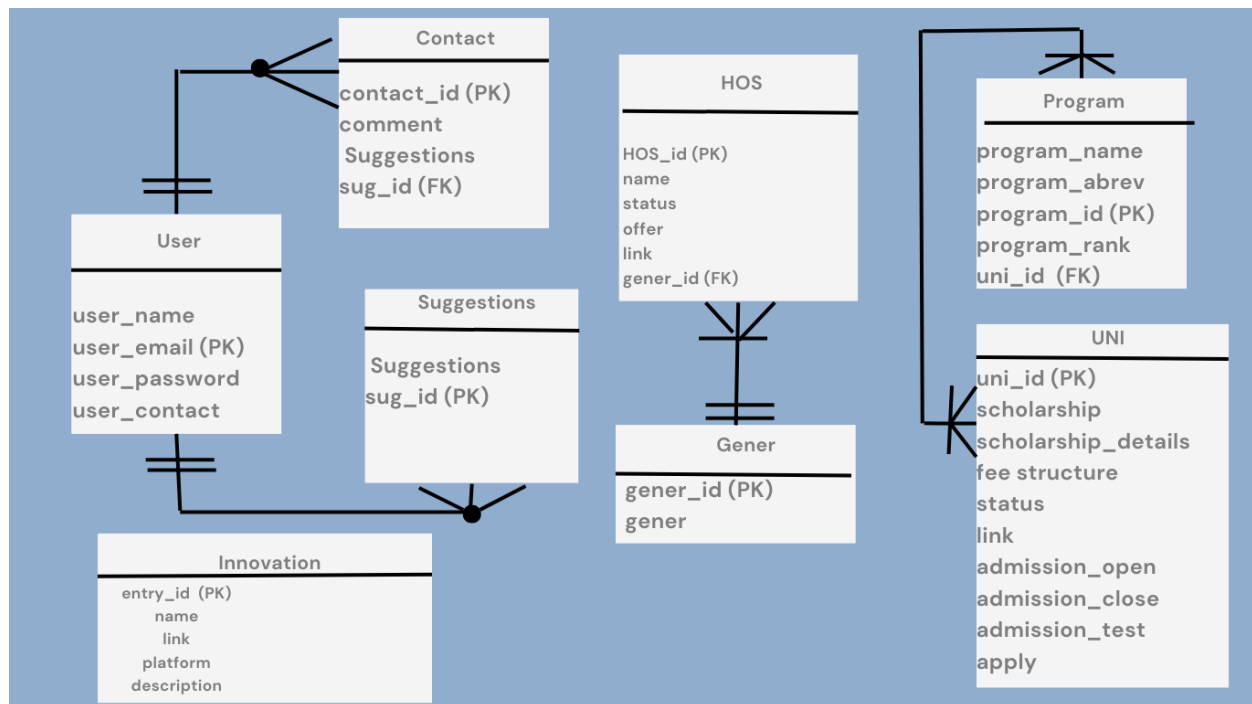
### ***2.2 General Constraints:***

The user can access our website from any computer that has internet browsing capabilities and internet connection.

- Use Case:



Class Diagram:



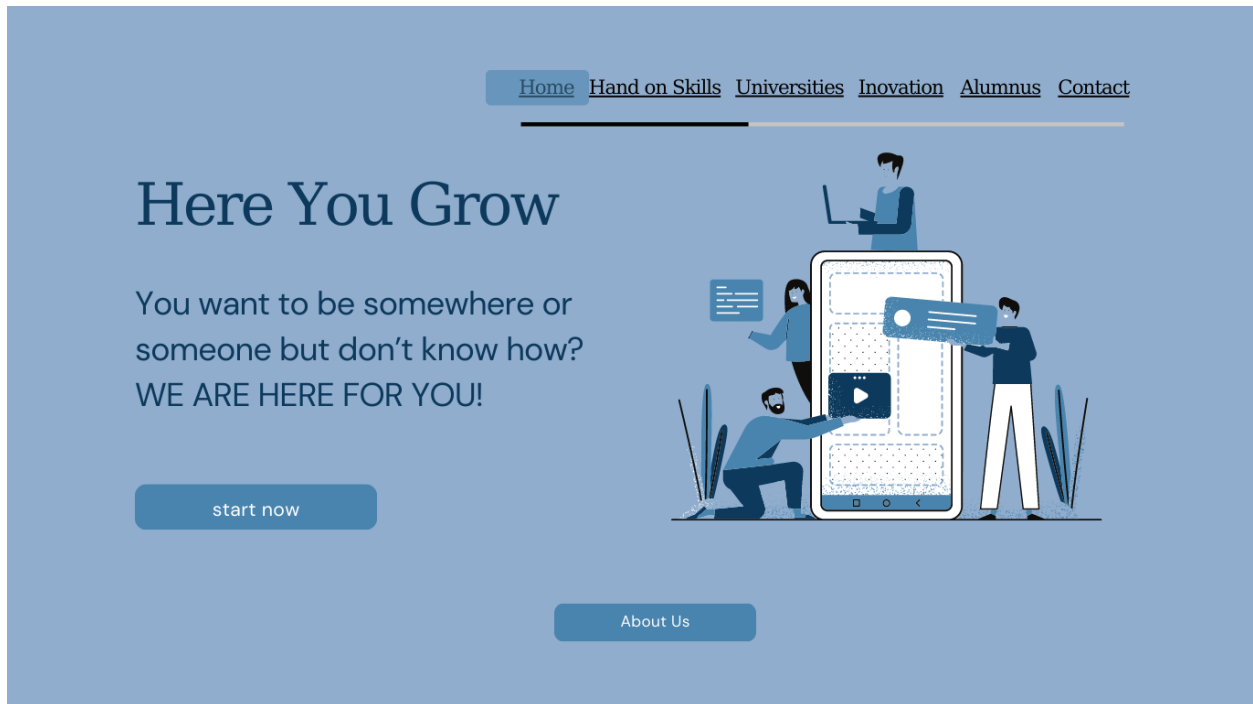
### 2.3 Assumptions & Dependencies:

- The user should have sufficient knowledge about computers.
- The computer should have internet connection and Internet server capabilities.
- The users know the English language, as the interface will be provided in English.

### ***3. Specific Requirements:***

#### ***3.1 External Interface Requirements:***

##### ***3.1.1 User Interface:***



**About us:** Click on this button to know about website

**Start Now:** Click on this button to create new account.

**Contact:** By clicking on this button you can contact to the admin and can give them feedback.

**Hand on Skills:** Click on this button to get a pathway of skill learning courses

**Universities:** Click on this button to get information about desired universities.

**Innovation:** Click on this button to get updated with the information regarding life updates.

**Alumnus:** Click on this button to interact with graduates from all over Pakistan.

# Sign In



Email:

exapmle@gmail.com

Password:

\*\*\*\*\*

Submit

If user already have account. he would have to login to the website by clicking on the **SIGN IN** button. User have to fill the required information to create an account. After filling the required information user have to click **SUBMIT** button.

# Sign Up



User Name:

Name

Email:

exapmle@gmail.com

Password:

\*\*\*\*\*

Submit

This is the sign-up page. User have to fill the required information to create an account. After filling the required information, you have to click **SUBMIT** button.



## About Us

hereyougrow@site.com

We are a small university student team eager to build our youth !  
If you any query about us can contact our active team at our  
"Contact" page.

Moreover, if you want to be apart of us or support us  
you can do so by contacting us at: hereyougrow@site.com

### CONTACT US

Instagram  
Facebook  
Twitter

### OUR LOCATIONS

743 Freedom Lane, Modesto,  
California, USA 12345

1234 Dairy Road Meadowview,  
VA, USA 12345

408 Byers Lane Sacramento, CA  
94260

Here the user can contact the active team if he/she has any query through contact page that is shown below.

[Home](#) [Hand on Skills](#) [Universities](#) [Inovation](#) [Alumnus](#) [Contact](#)

## Contact Our Team

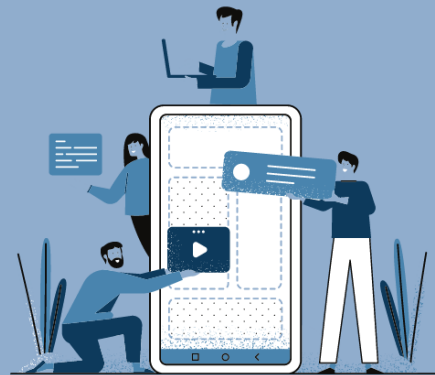
Email:

exapmle@gmail.com

Comment:

Enter what you want to say

Submit



By clicking on the **CONTACT** button, the user is able to contact the active team if he/she has any query. He can enter his email and address his query in the comment box. After filling the required information, user have to click **SUBMIT** button.

Hand on Skills

Game Development

Name	Status	Offered By	Link
Unity Complete Certification	Paid	LinkedIn	<a href="https://www.linkedin.com/learning/paths/Unity">https://www.linkedin.com/learning/paths/Unity</a>
Learn Game Design and Development	Paid	Coursera	<a href="https://www.coursera.org/learn/game-design-and-development-3/home/week/1">https://www.coursera.org/learn/game-design-and-development-3/home/week/1</a>
3D FPS by Brackey	Free	YouTube	<a href="https://www.youtube.com/watch?v=UK57qddq_lak&amp;list=PLPV2KyIb3jR5PhGqO7G4PabEC_AJ-kPZ">https://www.youtube.com/watch?v=UK57qddq_lak&amp;list=PLPV2KyIb3jR5PhGqO7G4PabEC_AJ-kPZ</a>

Start CHAT

See More

By clicking on **HAND ON SKILLS** button, this page gets open. Through search bar the user can search his/her interested skill and the results of particular domains will show in which the name of the course, status, offering and link will display. There is another feature of chat that is accessible by clicking on the **START CHAT** button. By using this feature the user is able to interact with people that may have knowledge.

[Home](#)
[Hand on Skills](#)
[Universities](#)
[Inovation](#)
[Alumnus](#)
[Contact](#)

# Universities

This Search is only program based. You can see program list at "Programs"

Rank wrt dept.	Name	Scholarships	Scholarship Details	Status	Approx. Fee	Link
1	FAST	Private + 3rd party	<a href="#">Link</a>	Private	~230,000	<a href="https://www.nu.edu.pk/Program/BS(CS)">https://www.nu.edu.pk/Program/BS(CS)</a>
2	NUST	Gov. + merit +3rd party	<a href="#">Link</a>	Semi-Government	~130,000	<a href="https://www.nust.edu.pk/Program/BS CS">https://www.nust.edu.pk/Program/BS CS</a>
3	LUMS	merit + 3rd party	<a href="#">Link</a>	Private	~600,000	<a href="https://www.lums.edu.pk/Program/BSCS">https://www.lums.edu.pk/Program/BSCS</a>
4	ITU	Gov. + merit +3rd party	<a href="#">Link</a>	Semi- Gov	~115,000	<a href="https://www.itu.edu.pk/Program/BSCS">https://www.itu.edu.pk/Program/BSCS</a>

This chat is only program based (ie. different chat box for each program selected). You can see program list at "Programs"

By clicking on the **UNIVERSITIES** button, this page opens, here the user can search the programs in which he/she is interested for enrollment. The complete description regarding the course like ranking with respect to department in different universities, name of university offering that course, scholarships criteria and details, status, fee approximation and the link of universities webpages to access the particular course etc. will display. There is another feature of chat that is accessible by clicking on the **START CHAT** button. By using this feature the user is able to interact with people that may have knowledge.

[Home](#)
[Hand on Skills](#)
[Universities](#)
[Innovation](#)
[Alumnus](#)
[Contact](#)

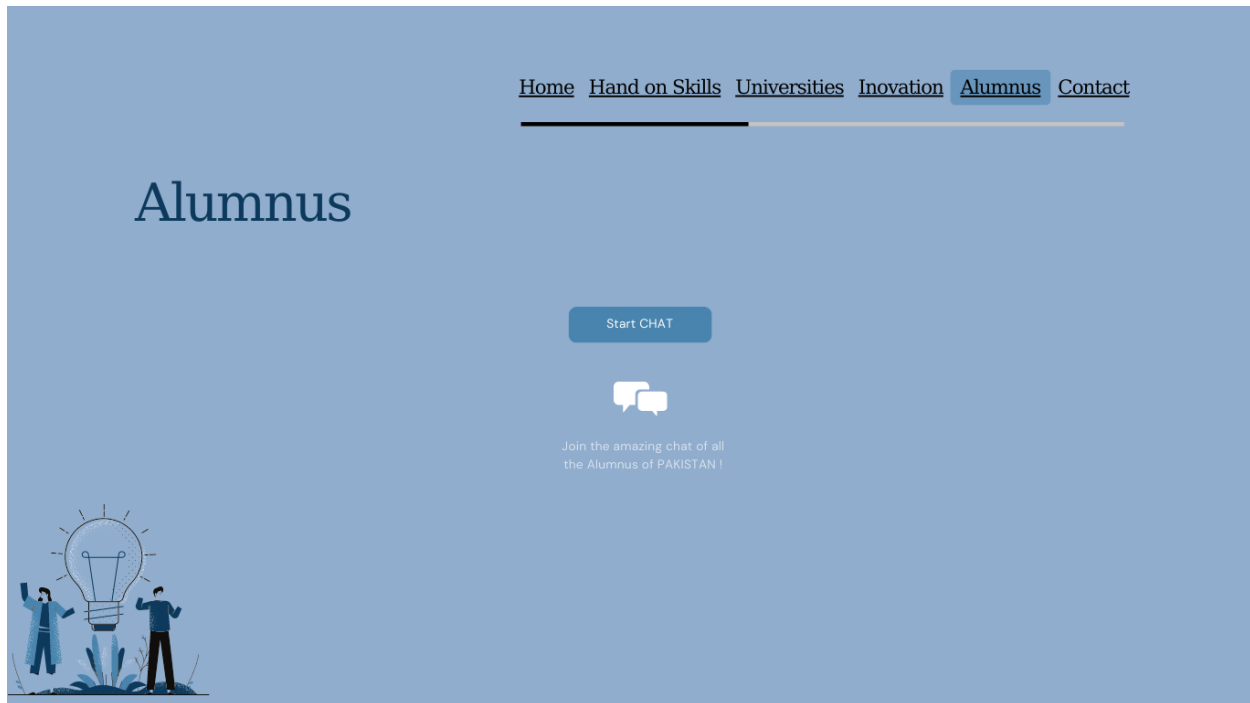
# Innovation

Search topics in your mind. reference topics are given in "Topic" button

Name	Level	Platform	Link
Lady --- about Communication	Beginner	YouTube	<a href="https://www.youtube.com/watch?v=UK57qdg_lak&amp;list=PLPV2Kylb3jR5PhGqsO7G4PsbEC_AI-kPZ">https://www.youtube.com/watch?v=UK57qdg_lak&amp;list=PLPV2Kylb3jR5PhGqsO7G4PsbEC_AI-kPZ</a>
Top 10 communication skills	Intermediate	YouTube	<a href="https://www.youtube.com/watch?v=UK57qdg_lak&amp;list=PLPV2Kylb3jR5PhGqsO7G4PsbEC_AI-kPZ">https://www.youtube.com/watch?v=UK57qdg_lak&amp;list=PLPV2Kylb3jR5PhGqsO7G4PsbEC_AI-kPZ</a>
Why not to speak?	Beginner	YoutuBe	<a href="https://www.youtube.com/watch?v=UK57qdg_lak&amp;list=PLPV2Kylb3jR5PhGqsO7G4PsbEC_AI-kPZ">https://www.youtube.com/watch?v=UK57qdg_lak&amp;list=PLPV2Kylb3jR5PhGqsO7G4PsbEC_AI-kPZ</a>

Join the people discussing about Innovation

By clicking on **INNOVATION** button this page opens, this tab helps the user to get updated with the information regarding life routines, Information regarding motivational talks and tech trends etc. The user can search the topic and different matching results will pop up which includes the name and level, platform and links from where the user can access the information or videos. There is another feature of chat that is accessible by clicking on the **START CHAT** button. By using this feature the user is able to interact with people that have knowledge regarding the searched category or the user may share his/her experience as well.



By clicking on the **ALUMNUS** button, this page opens, by clicking on the **START CHAT** button the user will be able to interact with the alumnus from all over Pakistan who are sharing new opportunities and new advancements.

## **3.2 Functional Requirements:**

### **3.2.1 User:**

- User shall be able to sign in.
- User shall be able to create an account.
- User shall be able to access the tabs.
- User shall be able to search the queries.
- User shall be able to access the chat feature.
- User shall be able to communicate with the team.
- User shall be able to give suggestions.
- User shall be able to view about us page.

## 4. Project Workplan:

