TEAM DETAILS :

a. Team name: **Tech Grades**
b. Team leader name: Bhaskar Raj
c. Problem Statement: PACE IN THE CLASSROOM

BRIEF ABOUT THE IDEA :

- The brief about our idea is that we are creating a website or an publically accessible app of set of info about pace which can be helpful for students across the world.

- To make the sophisticated data collected by NASA's PACE satellite accessible and comprehensible to students.

- Simplifies complex information, allowing students to engage with and understand important environmental data.

1. UNIQUE IDENTIFICATION :

- Unlike generic educational tools,this approach leverages real time satellite data,offering students direct access to the scientific research and technology.Provides us with the Hands-on-Learning experience.

2. SOLUTION TO THE PROBLEM :

- In this we are going to integrate complex data of the PACE satellite into a simpler form with the help of advanced technologies and by creating a user-friendly interface.

3. UNIQUE SELLING PROPOSITION :

- Empowering students with embracing technologies and real world applications to deepen understanding of climate science and hands-on ocean literacy education.

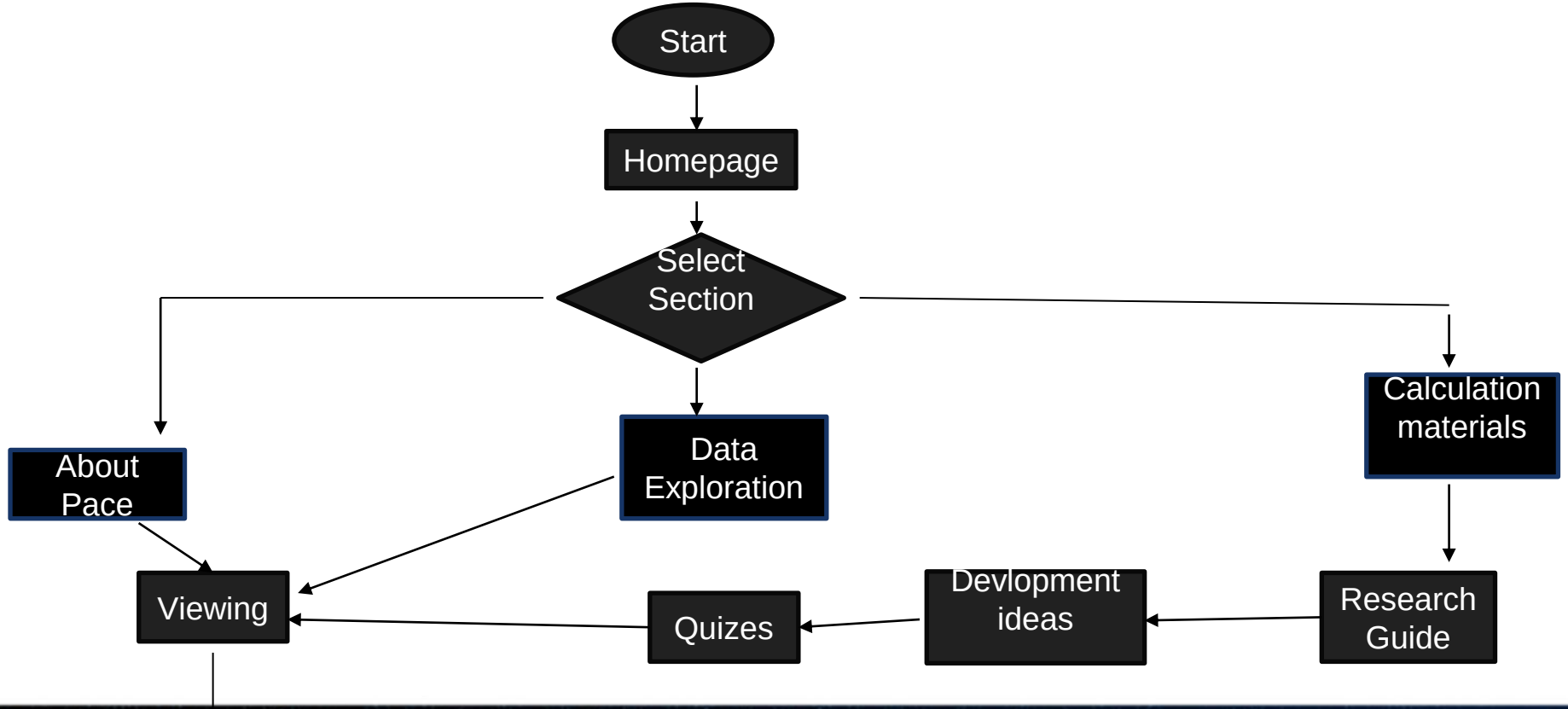
ASPECTS OF THE SOLUTION:

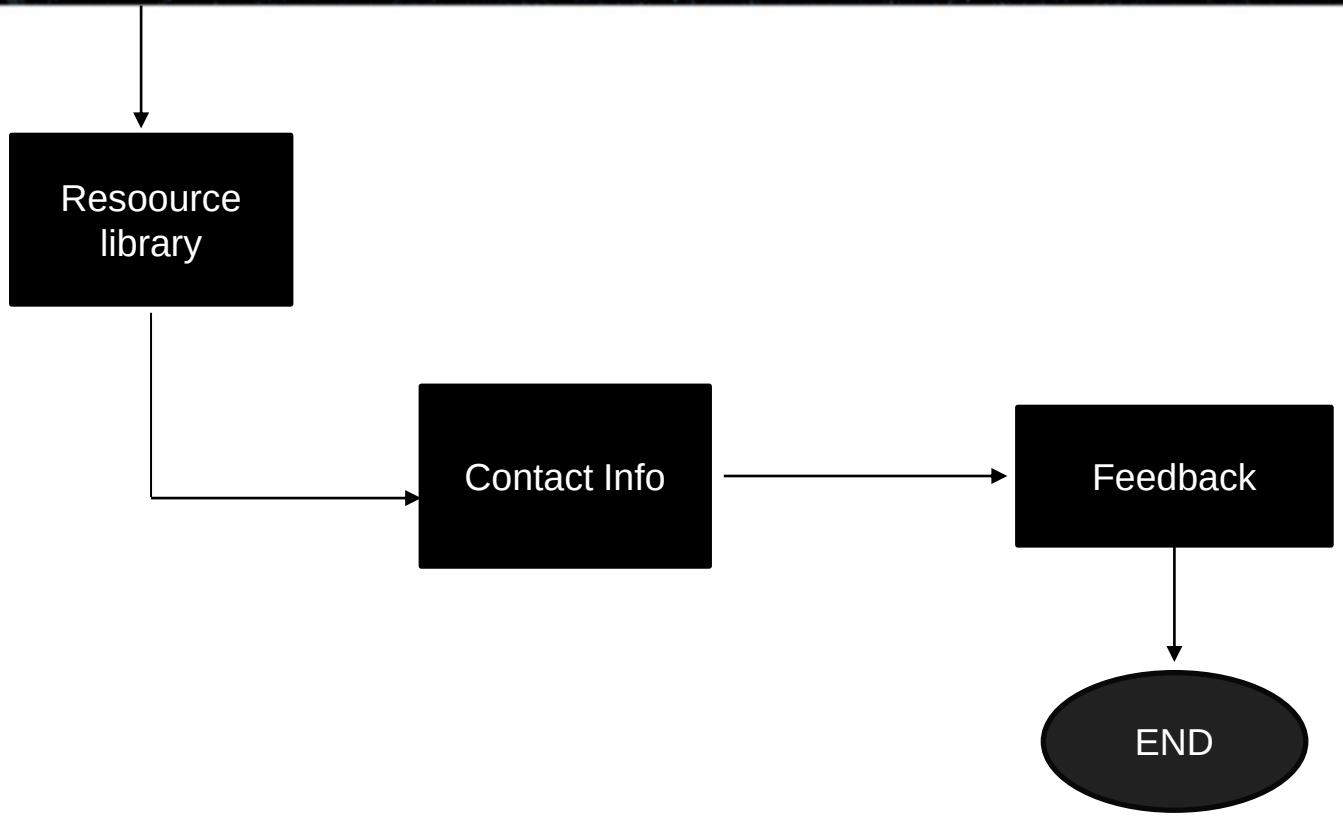
- **EDUCATIONAL CONTENT :**
  Incorporates up-to-date PACE satellite data , accurate information for high school students and public in a effective and user-friendly manner.

- **RESOURCE LIBRARY :**
  Provide the data that can be downloaded and stored in a bulk for engagement with normal public.

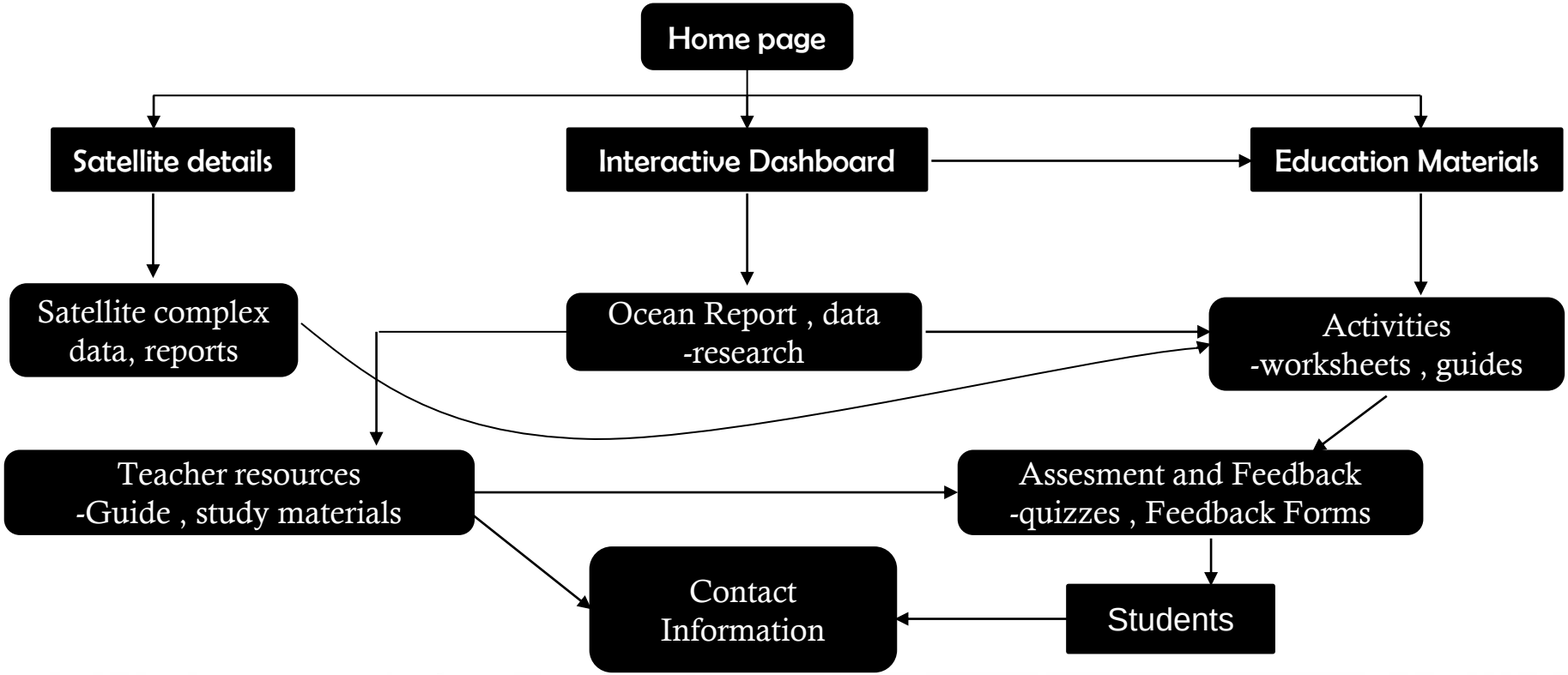
- **DISCUSSION FORM :**
  Used to collect data from the user and also it help us with feedbacks and real time data from different generic applications.

Process flow diagram or Use-case diagram




Resoource library
Contact Info
Feedback
END

ARCHITECTURE :



TECHNOLOGIES :

➢ Front end :

Html : For making skeleton of websites.
Css : For styling the website.
Java Script : For giving specific positions.

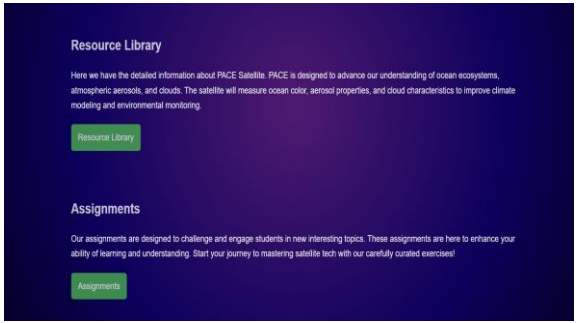
➢ Back end :

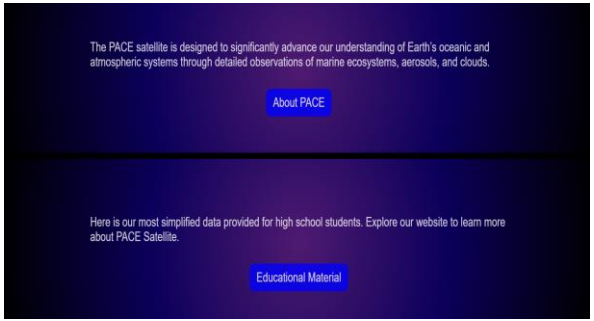
Note js : For real time data handling.
Python : Handle large datasets generated by pace sattelites.
Restful APIs : can provide the structured data.

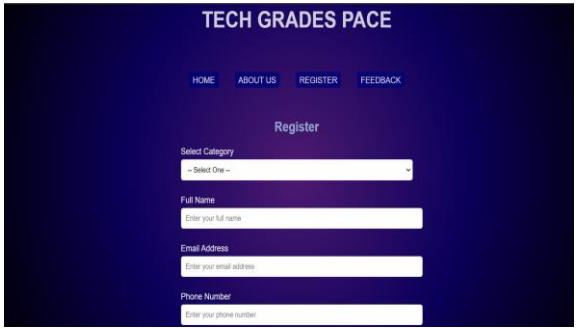
➢ Data management :

My Sql : For handling unstructured user data.

Snapshots of the prototype







FOR FUTURE DEVLOPMENT :

- Partnership with external projects.
- Social media involvement for research.
- Time to time security up gradation.
- Direct students to teacher conversations will be their.

PROVIDE LINKS TO YOUR:

GITHUB PUBLIC REPOSITORY:
https://github.com/bhaskar950880/TECH_GRADES.git

DEMO VIDEO LINK (3 MINUTES):
HTTPS://DRIVE.GOOGLE.COM/DRIVE/FOLDERS/1HWEU3IK_S2YBCZ5TX_VG3UYUO8YTW6ZY

FINAL PRODUCT LINK:

CONTACT INFO:

- **ARCHITA SINGH** - ajeetsolanki1980@gmail.com
- **ATULENDRA SINGH YADAV-** atulendrasinghyadav007@gmail.com
- **ADITYA BHATT-** bhattsamaditya@gmail.com
- **DEVANSHI TEOTIA** - devanshiteotia26@gmail.com
- **ABHAY P.S. YADAV** - abhayyadav3t@gmail.com
- **BHASKAR RAJ** – bhaskar950880@gmail.com

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Thank You