1. Django is the backend framework I would prefer to use

   We can develop the web application easily with less code by consuming less time .
   It provides inbuilt features like
   - Admin interface for managing data .
   - Object relational mapper which is an abstract for database which helps us extract data easily without too many sql codes.
   - Authentication for identifying users
   - caching .
   I had used PHP in my previous project , which requires a comparitively high amount of coding with less readily available features . So I prefer devoloping my knowledge in Django for my next project .

2. React is the frontend framework I would prefer to use

   - It's an open source frontend javascript library
   - Responsible for the view part of the web application
   - It uses DOM (Document object model) . DOM is a programming interface for web documents that represent the page so that programs can change the document structre, style and content .
   - It provides small piece of html code as output that is visible to the user .
   - It uses JSX which is a combination of javascript and html

3. MySql is the databse I would prefer to use

   - MySql is easy to install and setup .
   - it can handle large amount of data easily .
   - It uses indexing options for fast data retrieval .
   - It can handle high traffic volumes .
   - It is compatible with PHP , Python and java .
   - It is an open source software which can be freely used .

4. According to my research , I would prefer using Git

   - It provides the developers their own copy of the repository on their local device , which allows offline work .
   - It can handle large codebases .
   - It uses good data structures and algorihtms which supports branching and merging .

5. I would prefer using Google cloud storage

   - Mainly it is cost effective . We need to just pay for the storage which we use
   - It can store a huge amount (petabytes) of data easily .
   - The data will be encrypted , provides multifactor authentication .

- It is durable , as the data is stored in multiple geographic locations .
- We can access data with a single API call from all storage classes
  We can also make use of AWS if we are using the same for deploying the web application.

6. I would prefer using Amazon web services for deploying my web applications .
- AWS is cost effective , we can pay only for the resources we use .
- It provides all the services like storage , database and networking services .
- It has a secured infrastructre which uses encryption and multifactor authentication .
- It has a user friendly interface and tools are easy to use . Especially for students as we don't have a lot of technical expertise
- It provides fault toleration and keeps the application running even at time of any failures either in hardwarre or any other issues .

  I would use Appache server .
- Appache server is an open source software , which can be freely used.
- It can run on all operating systems (Windows , Linux , MacOs) .
- It can be customized based on requirements .
- It provides security and protects websites from attacks .
- As it has a large set of users , we have many sources available for seeking help when required.