Project Title: Falcon Application(Software as a Service)

[1] Motivation and Significance

The motivation behind this project is to develop an idea where students are looking for ways to have high-configuration laptops with them to run any software. So, students can do coding on the web with minimum ram and hard disk of laptops or desktops. Students or customers decide which technology they want to use, irrespective of the system configuration they have.

[2] Use Cases

This web application students of customers can create an entire application without installing the required software or the application within the systems. They can be able to deploy them with fewer issues onto the cloud.

The main aim of this project is to provide the students with a web interface where they can do coding on the web without the configuration overhead what is installing the required tools to run any software application.

[3]Idea

I came up with this idea when I realized many students need more high-end laptops to test or run their software applications. This makes it difficult for students to run applications that require high ram and high disk space or higher GPU which could be costlier.

I want to provide a web interface where they don't need to install any software application onto their laptop. With this web interface application, they can run any extensive application without installing any software onto their systems or laptops. This reduces the overhead for the students to install any computer science software tool to run any extensive application or deploy them. This is the interface of the web application.

[4] Web Interface Application

On the left side, I have four tabs: programming, web development, data science, and big data. So, students can go through all these four tabs add any software application or tool from here, and then they can start coding without installing the required software application onto this system through this web application. As we can see here, I have selected data science to see all the data science tools in one place where students and customers can click any tool they want. They can start programming on the web, so there is no need to install any software application on laptops or desktops with this web application.

Students or customers can run any significant software without installing the applications onto their systems as all the software's preinstalled within the web within the cloud. They can quickly deploy them within the website through a cloud interface. They can deploy any software application to GitHub with this interface without any overhead of installing a software application onto their systems.

[5]Business Model

Description	**Revenue Streams**
Website application to help students use different tools and applications without installation.	Students will be given limited storage and access to the resources. After limited usage, students need to pay for resources they want to use.
Customer targets	**Pricing**
Universities Online Learning	The website is free to use for a limited time with all the resources.
Challenges	**Growth opportunity**
Ability to decide how many universities are willing to adapt to this online resource learning	Addition of other features to the app to make the platform industry attractive.

[6] Cost Estimation and Timeline

DEVELOPMENT	ESTIMATED TIME & TIMELINE
UI DESIGN	$5000, 1 month
APPLICATION DEVELOPMENT	$50000, 6 months
MAINTENANCE	$10000/annum

TOTAL: $65000 TO $75000

Developing the UI design of the project might take one month, and the cost estimation for designing a UI can be $5000. The application development might take six months with an investment cost of approximately $50,000, and the maintenance will be $10,000 annually. The total cost for this project to deploy the entire web application can be between $65,000 to $75,000.