## **Project 9: Machine Learning Model Deployment with IBM Cloud Watson Studio Edit Set Access Page Actions**

**Project Title:** ML Models with IBM Watson

**Problem Statement:** Become a wizard of predictive analytics with IBM Cloud Watson Studio. Train machine learning models to predict outcomes in real-time. Deploy the models as web services and integrate them into your applications. Unlock the magic of data-driven insights and make informed decisions like never before!

**Phase 1: Problem Definition and Design Thinking**

**Problem Definition:**

The project involves training a machine learning model using IBM Cloud Watson Studio and deploying it as a web service. The goal is to become proficient in predictive analytics by creating a model that can predict outcomes in real-time. The project encompasses defining the predictive use case, selecting a suitable dataset, training a machine learning model,deploying the model as a web service, and integrating it into applications.

**Design Thinking:**

**1.Define Objective**: Clearly articulate the purpose, focusing on predictive analytics mastery through IBM Cloud Watson Studio.

**2.Use Case Selection:** Choose a specific predictive use case, such as customer churn or demand forecasting.

**3.Dataset Selection:** Identify and gather a relevant dataset containing essential variables for the chosen use case.

**4.Model Training:** Train the machine learning model using IBM Cloud Watson Studio, experimenting with algorithms and features.

**5.Deployment**: Deploy the trained model as a web service, ensuring real-time accessibility and scalability.

**6.Integration:** Seamlessly integrate the model into applications, allowing for smooth, real-time predictions.

**7.Feedback Loop:** Implement user feedback mechanisms, iterating and refining the model based on user interactions and outcomes.

**8.Continuous Learning:** Continuously update the model with new data, ensuring its relevance and accuracy over time.