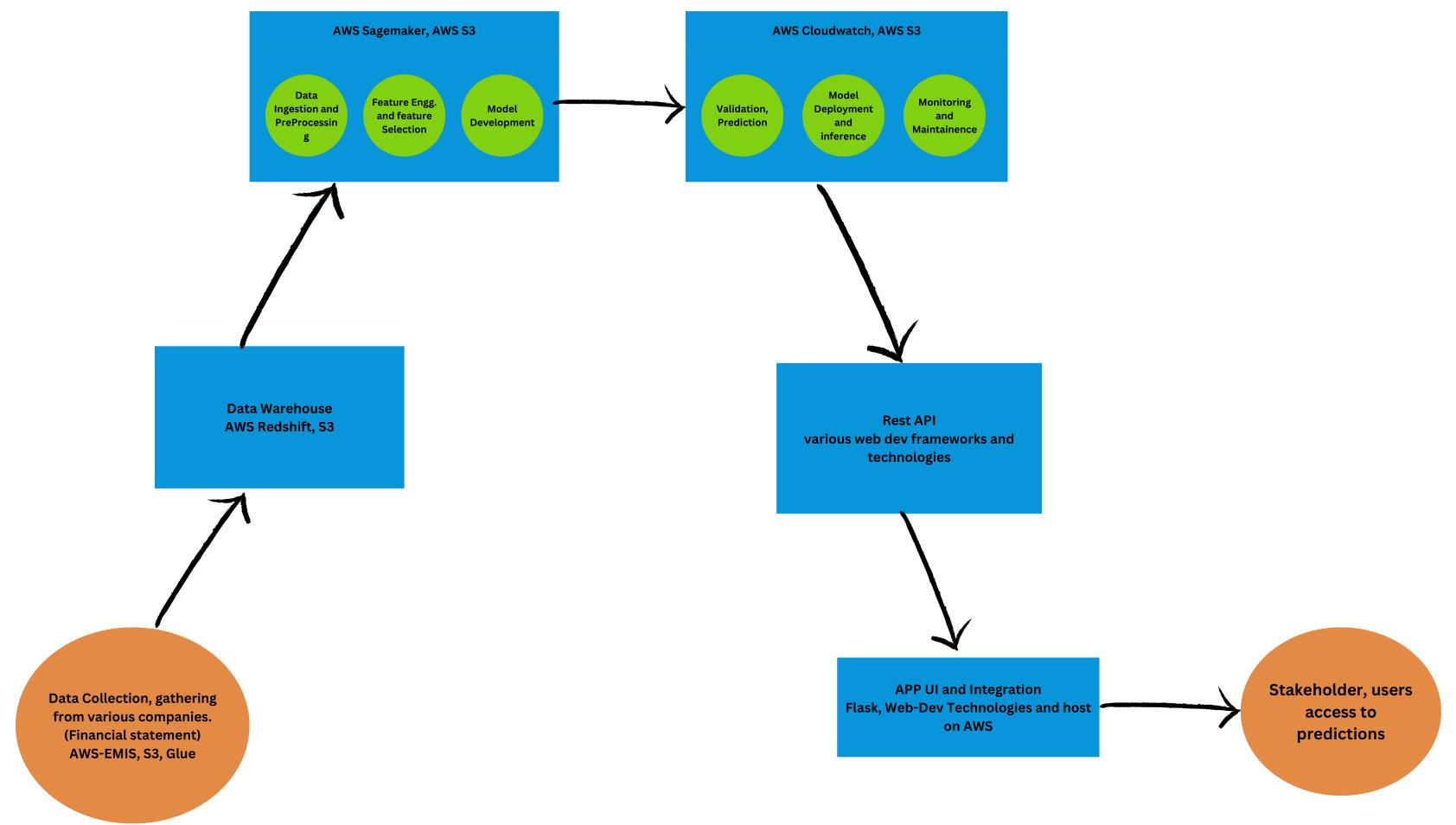
Anticipating Business Bankruptcy



Component and Technologies

S.No	Component	Description	Technology
1	Feature Selection	Selecting relevant features for the model	AWS Sagemaker
2	Model Selection	Choosing the appropriate machine learning model	AWS Sagemaker
3	Model Training	Training the selected model	AWS Sagemaker
4	Model Evaluation	Evaluating the performance of the trained model	AWS Sagemaker
5	Reporting and Visualization	Generating reports and visualizing the results	Python
6	Frontend Display	Developing the user interface for displaying results	Web Development Technologies
7	Data Collection and Preprocessing	Gathering and preparing data for analysis	Python
8	Deployment	Deploying the trained model for production use	Flask
9	ETL Process	Extract, Transform, Load process for data	AWS Glue
10	Data Cleaning	Cleaning the data to remove inconsistencies	AWS Glue
11	Feature Engineering	Creating new features from existing data	AWS Sagemaker
12	Model Serialization	Saving the trained	Pickle

		model for later use	
13	Integration with App	Integrating the model with an application	Flask
14	Front End Design	Designing the user interface for the application	Web Development Technologies
15	Compliance and Governance	Ensuring data privacy and security	Amazon EBS
16	Scaling Strategy	Strategy for scaling the system	AWS EC2, EBS, other services
17	Optimization	Improving the model and utilizing AWS improvements	Model + AWS improvements

Application Characteristics

S.No	Characteristics	Description	Technology
1	Accuracy	The ability of the model to make correct predictions	Technology Used
2	Speed	The quickness of the application's response time	Technology Used
3	Performance	Efficient utilization of system resources	Technology Used
4	Robustness	The ability of the application to handle different scenarios and inputs	Technology Used
5	Scalability	Ability to handle increasing workload or user base	Technology Used
6	Reliability	Consistency and stability of the application	Technology Used