

# SOFTWARE DEVELOPMENT TOOLS

## Analysis Tools:

We didn't use any tool for analyzing phase.

### Available Tools:

- **Apache Spark:**  
It is an open source, wide range data processing engine, basically, it provides an execution platform for all the softwares..
- **Ms-Excel:**  
Microsoft Excel is a spreadsheet program used for calculations, making charts and recording data about all sorts of business processes.
- **RapidMiner:**  
RapidMiner Studio is a "downloadable GUI for machine learning, data mining, text mining, predictive analytics and business analytics".
- **KNIME:**  
Allows users to visually create data flows (or pipelines), selectively execute some or all analysis steps.
- **QlikView:**  
Is an Reporting tool which is used for creation of dashboards for analytical purpose.

## Project Management Tools:

### Tool We Use:

- **MS-Project:**  
The application is designed to assist project managers in developing plans, assigning resources to tasks, tracking progress, managing budgets and analysing workloads

### Available Tools:

- **Wrike:**  
It is an intuitive spreadsheet-like app that can be used to perform and manage a range of work such as business processes, event schedules, sales pipelines, customer info, task lists, and team projects.
- **Asana:**  
It's a tool for organizing personal or team work, basing the system on individual tasks framed into bigger projects.
- **JIRA:**  
It is used for bug tracking, issue tracking, and project management.
- **Smart Sheet:**  
It is used to assign tasks, track project progress, manage calendars, share documents and manage other work.

## **Designing Tools:**

### **Visual Development Tools:**

#### Tools We Use:

- **Ms-visio:**

It is used for many things that utilize layouts, diagrams, and charts,UMLs,class diagrams etc.

#### Available Tools:

- **Visual paradigm:**

Visual Paradigm is a software tool designed for software development teams to model business information system and manage development processes.

- **Borland Together:**

Is a visual modeling tool that helps business and development teams to analyze and design software architectures.

- **Papyrus:**

Is designed to be easily extensible as it is based on the principle of UML Profiles.

- **Umbrello-The UML Modeller:**

helps the software development process by using the industry standard Unified Modelling Language (UML) to enable you to create diagrams for designing and documenting your systems.

- **Rational Software Modeller:**

Is an object-oriented Unified Modeling Language (UML) software design tool intended for visual modeling.

- **ArgoUML:**

An easy-to-use UML tool with cognitive support.

### **Functional Development Tools**

#### Tool We Use:

- **Visual studio:**

Is a set of tools that independent software vendors (ISVs) can use to build customization abilities into their applications for both automation and extensibility.

#### Available Tools:

- **Eclipse:**

used as an IDE for different programming language for which a plug-in is available.

- **AnaConda:**

Is a freemium open source distribution of the Python and R programming languages for large-scale data processing, predictive analytics, and scientific computing, that aims to simplify package management and deployment

- **PyCharm:**

Is an integrated development environment (IDE) used in computer programming, specifically for the Python language

## **DataBaseTool:**

### Tool We Use:

- **Sql server(2012):**

Used to perform tasks such as update data on a database, or retrieve data from a database.

### Available Tools:

- **WampServer:**

Is a Web development platform on Windows that allows you to create dynamic Web applications with Apache2, PHP, and MySQL. WampServer automatically installs everything you need to intuitively develop Web applications. You will be able to tune your server without even touching its setting files.

- **MS Access:**

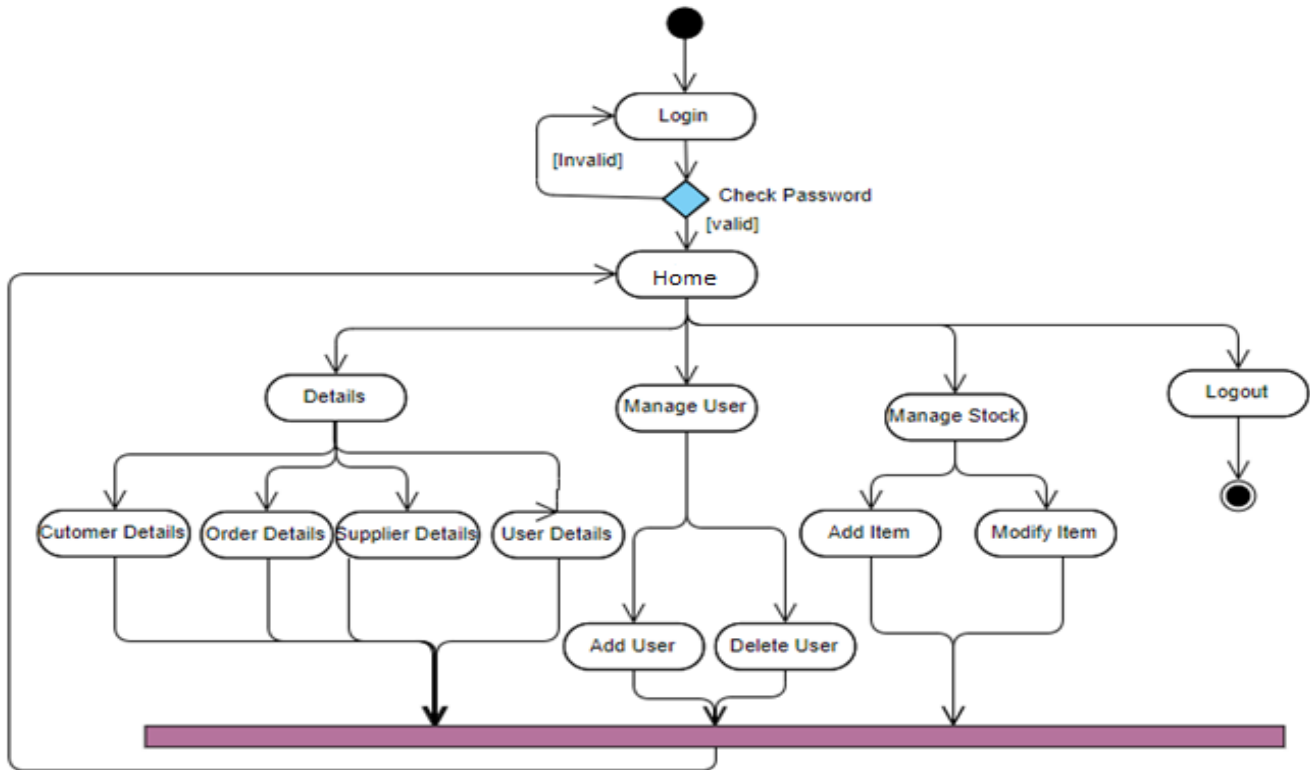
Is a database object that you can use to create a user interface for a database application

- **Microsoft Azure:**

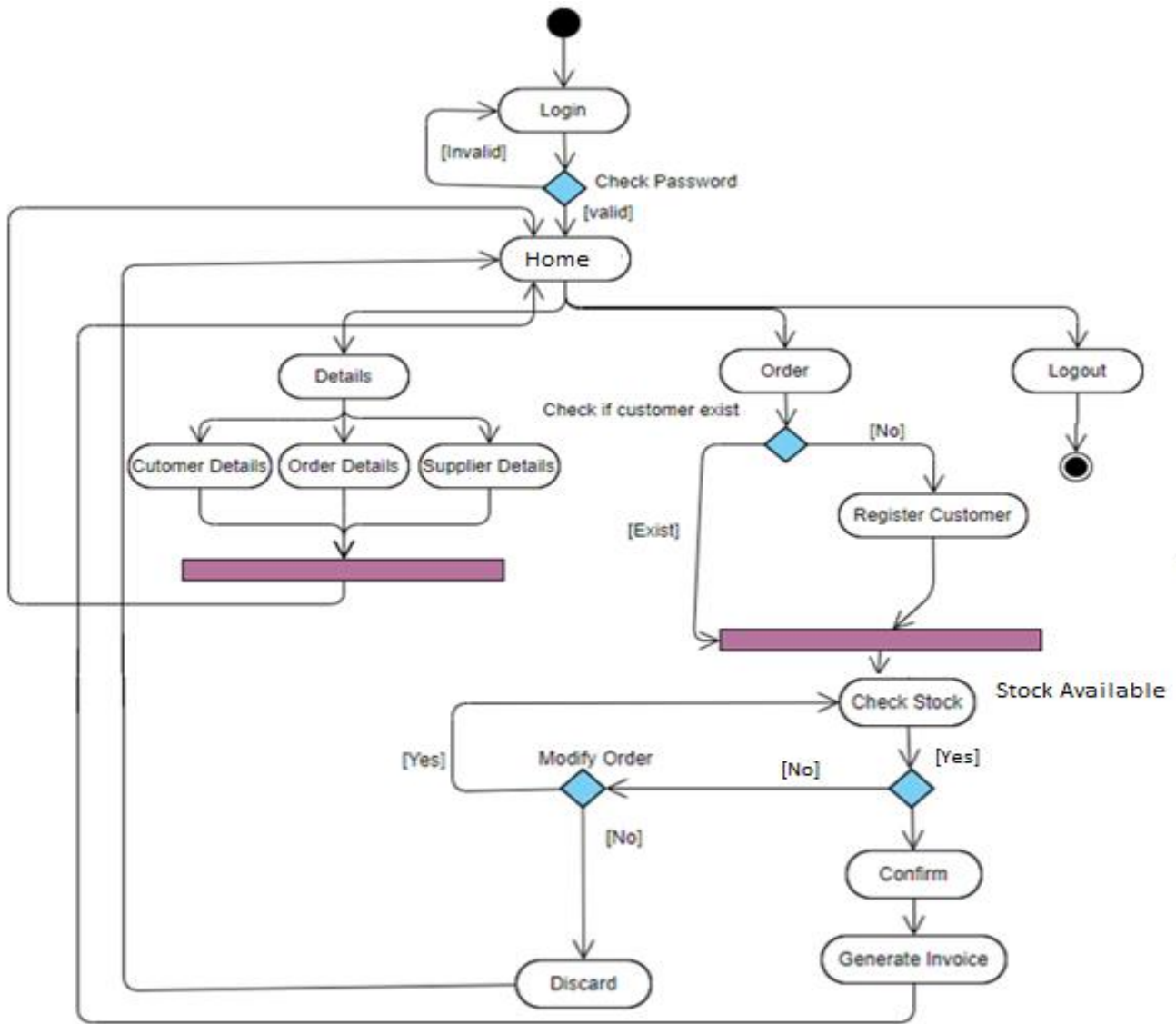
works to create, scale and extend applications into the cloud using Microsoft SQL Server technology.

# ACTIVITY DIAGRAM

- Admin Activity Diagram

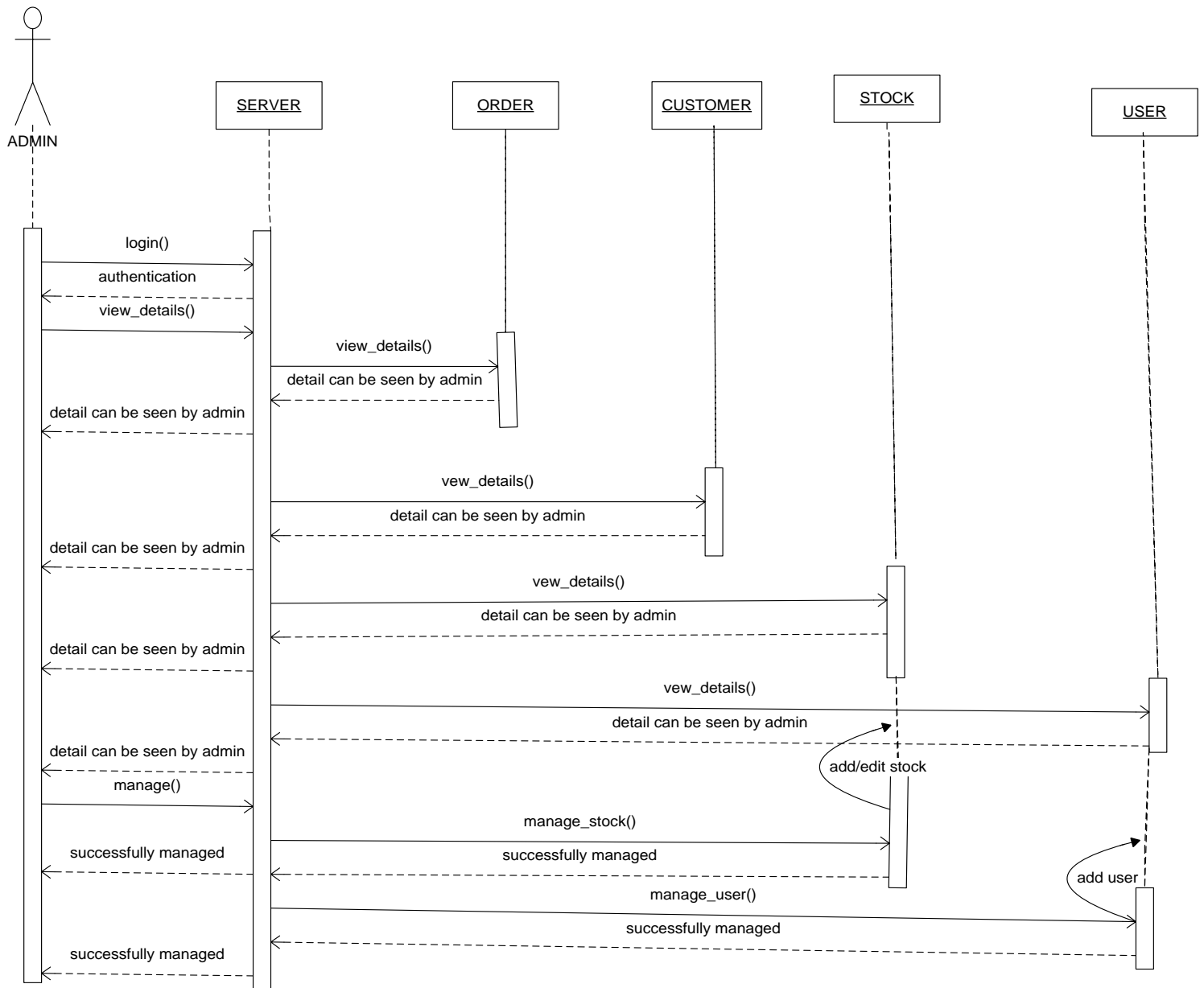


- User Activity Diagram



# SEQUENCE DIAGRAM

- Admin Sequence Diagram



- User Sequence Diagram

