Advanced Software Engineering Lab-Autumn 2022-23

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UML Diagram 2022

SOFTWARE COMPONENT CATALOGUING SOFTWARE

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Contents

1 UML DIAGRAMS

1.1 ACTIVITY DIAGRAM

Activity Diagrams describe how activities are coordinated to provide a service which can be at different levels of abstraction. Typically, an event needs to be achieved by some operations, particularly where the operation is intended to achieve a number of different things that require coordination, or how the events in a single use case relate to one another, in particular, use cases where activities may overlap and require coordination. It is also suitable for modeling how a collection of use cases coordinate to represent business workflows

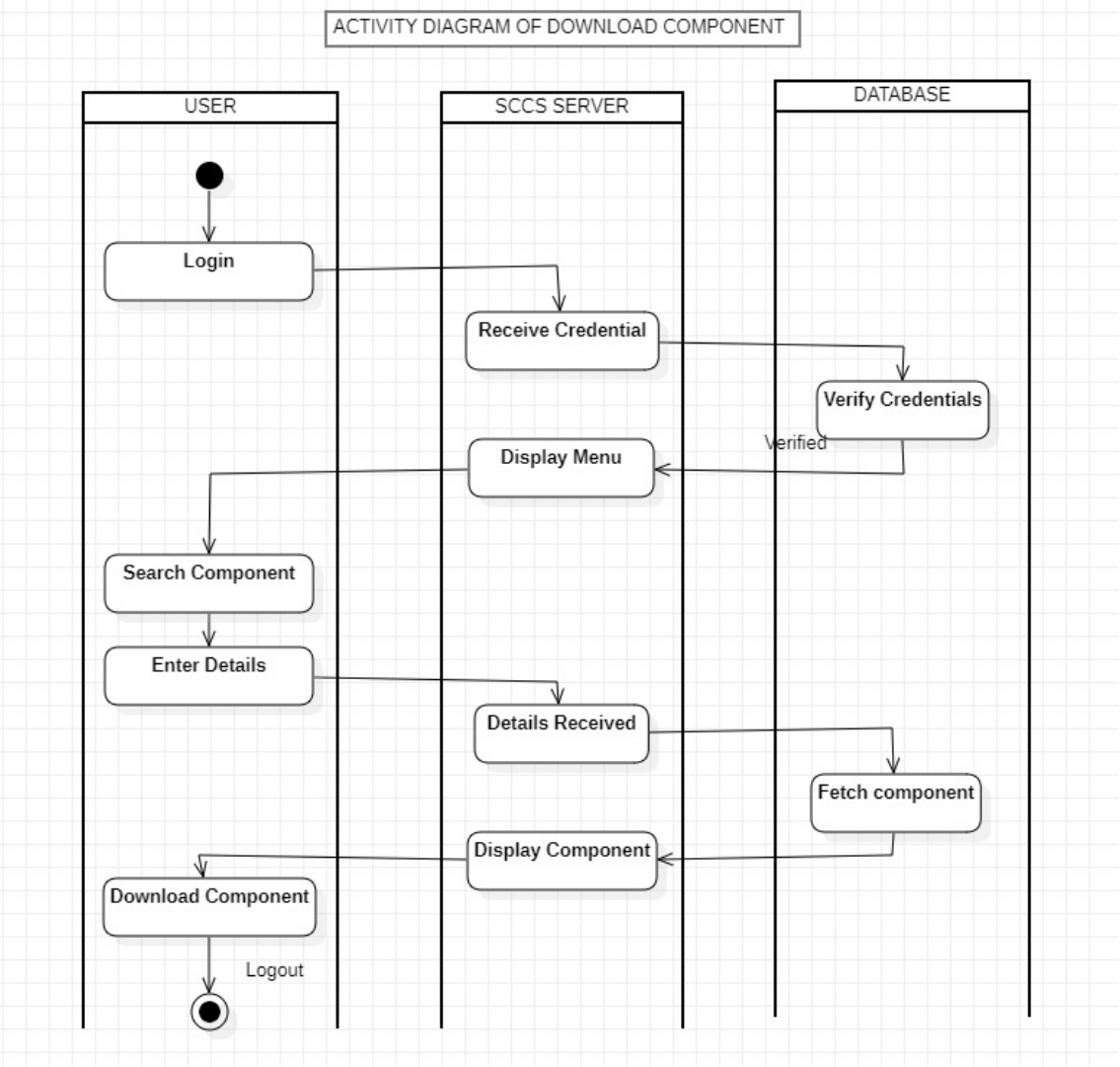

Figure 1: Activity diagram for downloading components

1.2 STATE CHART DIAGRAM

A state chart diagram is used to represent the condition of the system or part of the system at finite instances of time. It's a behavioral diagram and it represents the behavior using finite state transitions. State diagrams are also referred to as State machines and State-chart Diagrams.

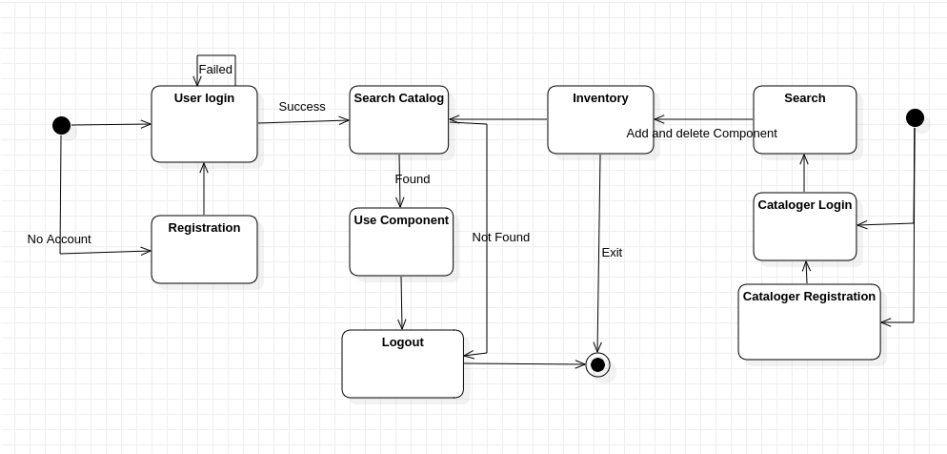

Figure 2: State chart diagram for SCCS