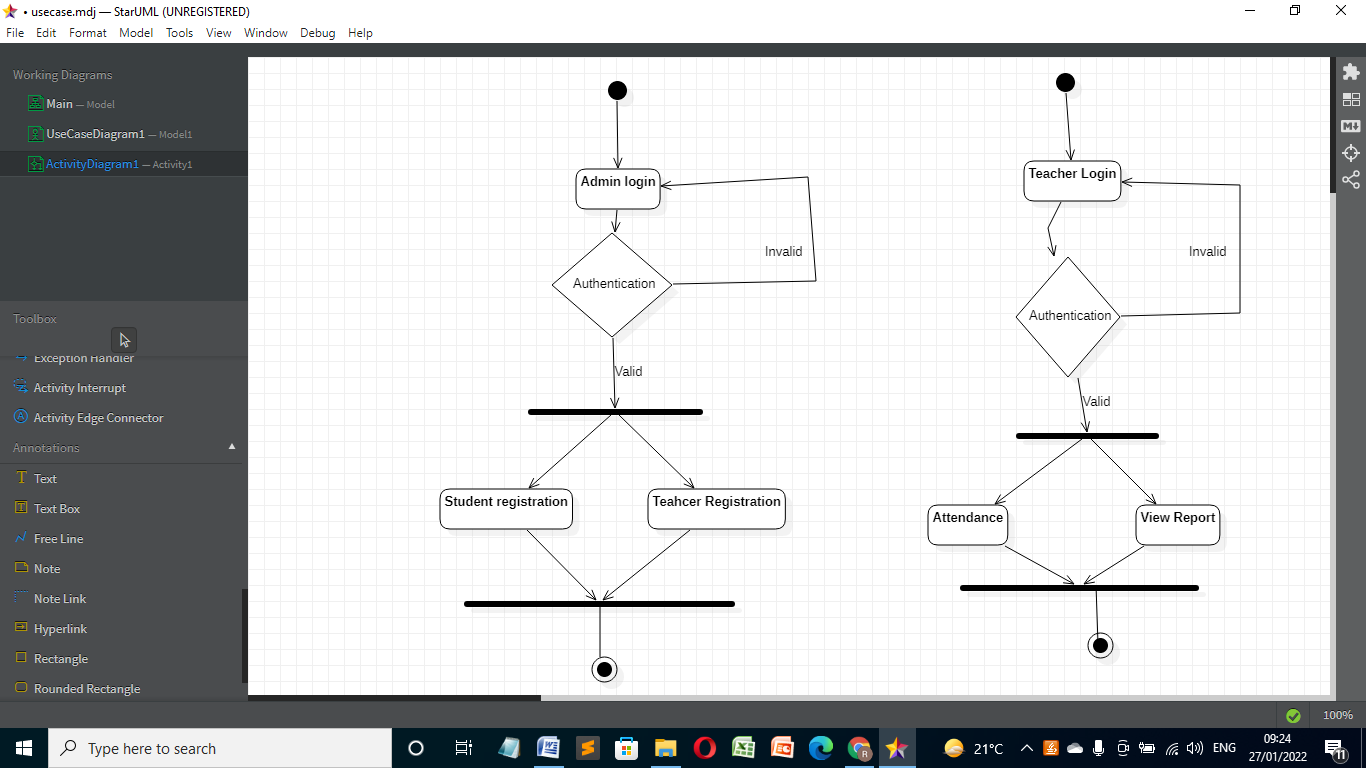
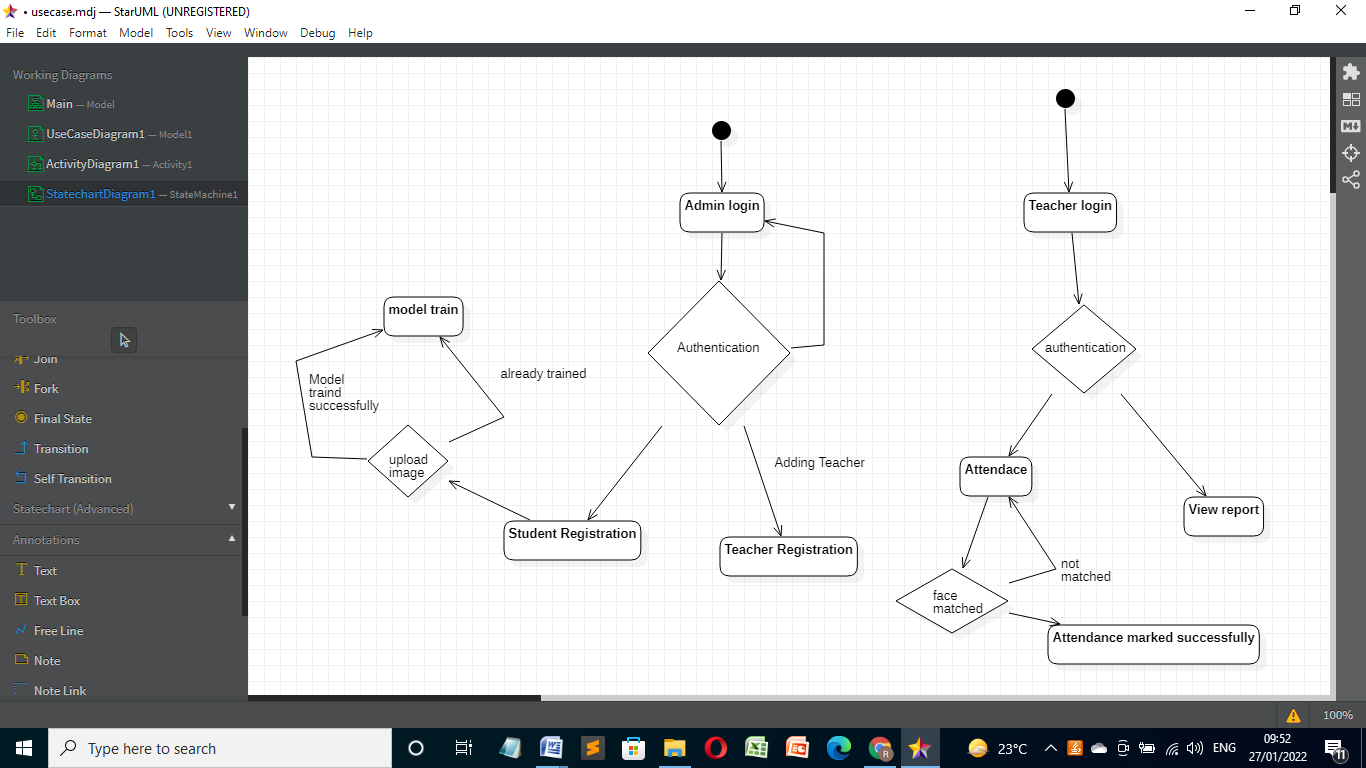
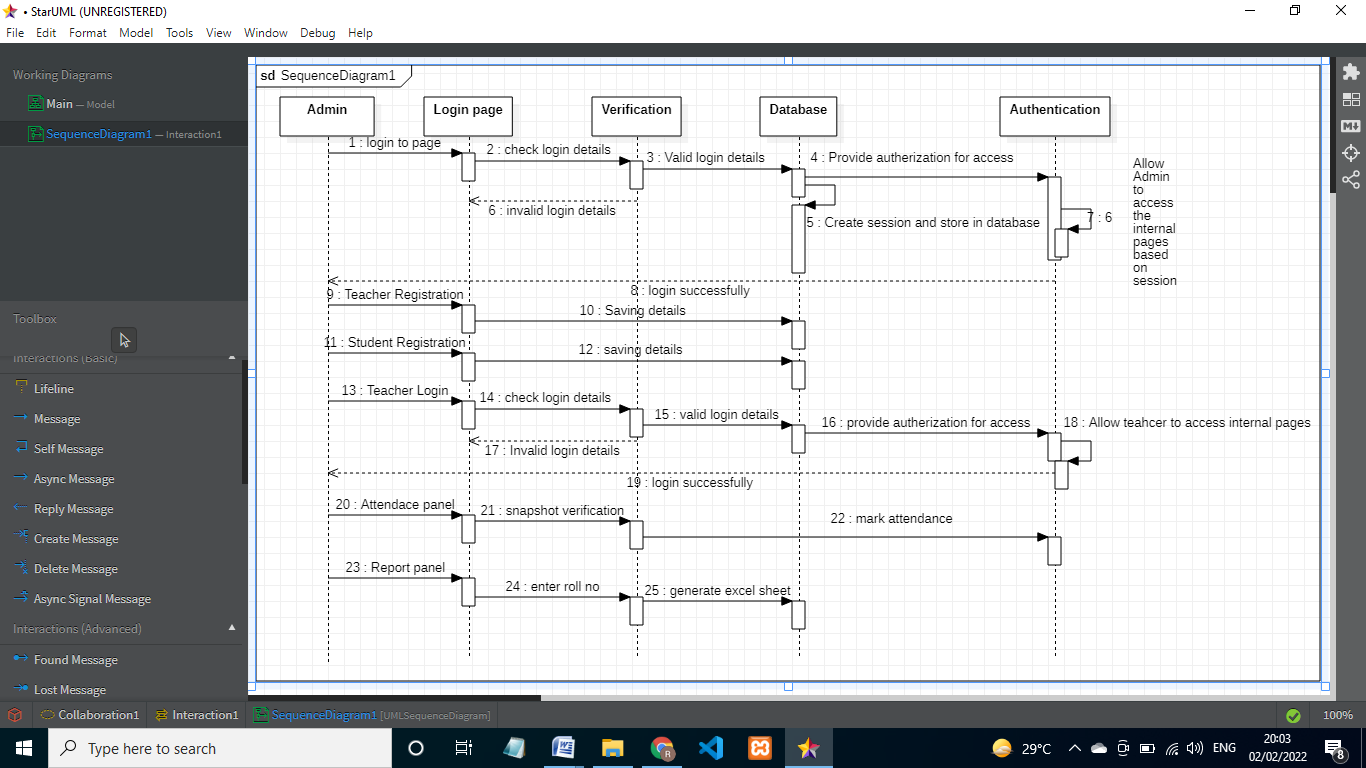
**Activity diagram:-**

****

**Statechart**

****

**Sequence Diagram:**

****