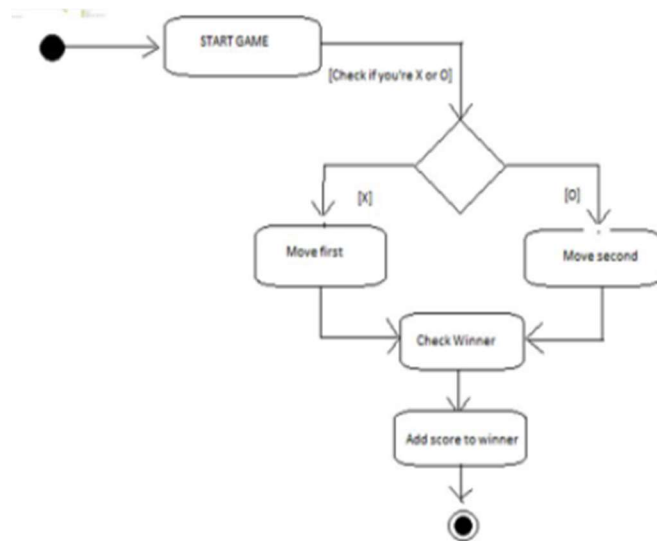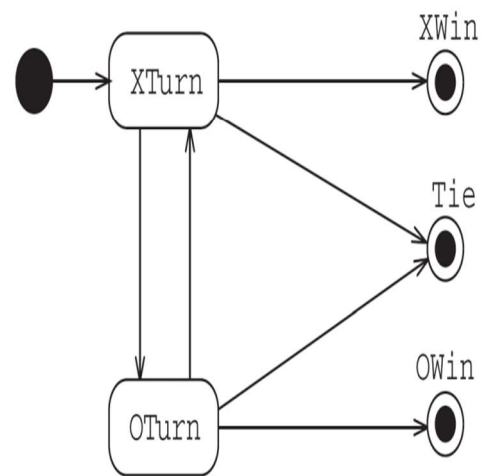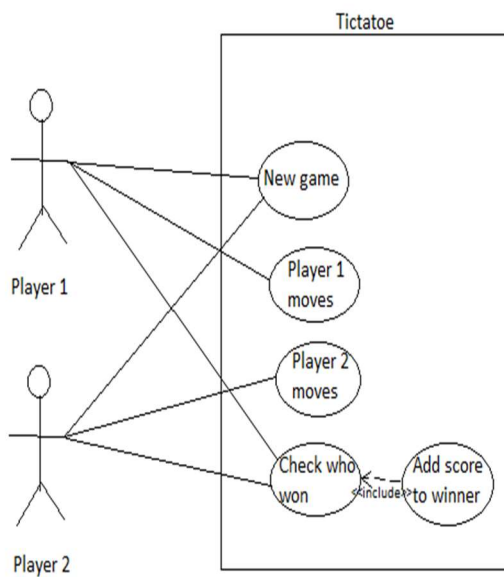# DESIGN

FIG1: Activity Diagram

FIG2: State Diagram

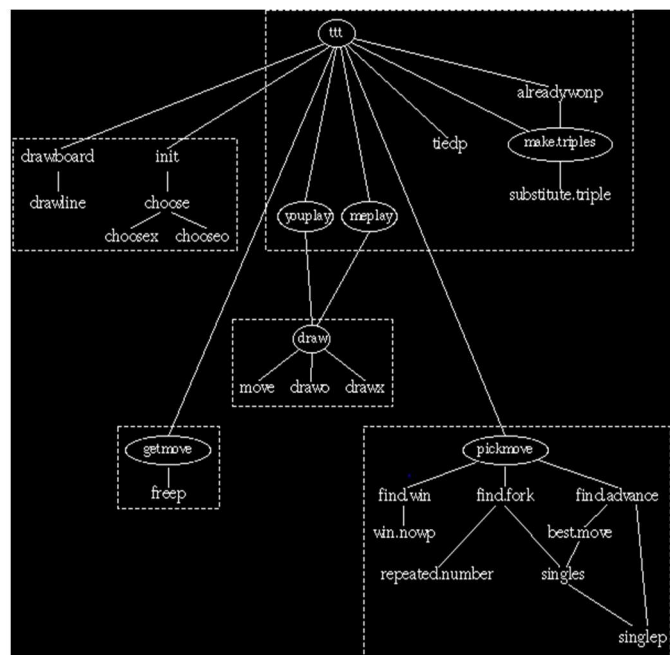FIG3: Program Design

FIG4: overall structure