

Coffee Machine System

Team 6

Team Presentation 2

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- SA Differences

System Context Diagram

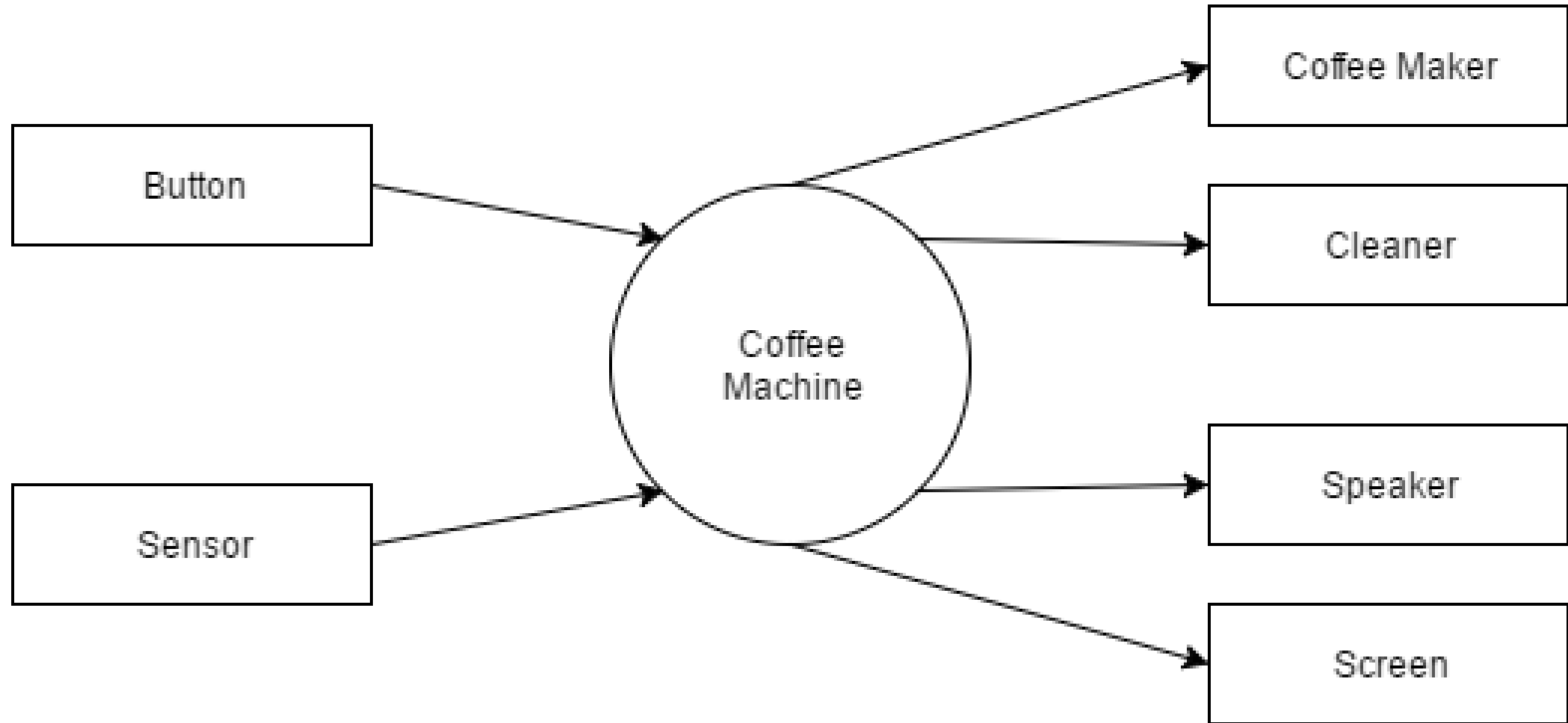
Data Flow Diagram

System Transition Diagram

- SD

Structured Charts

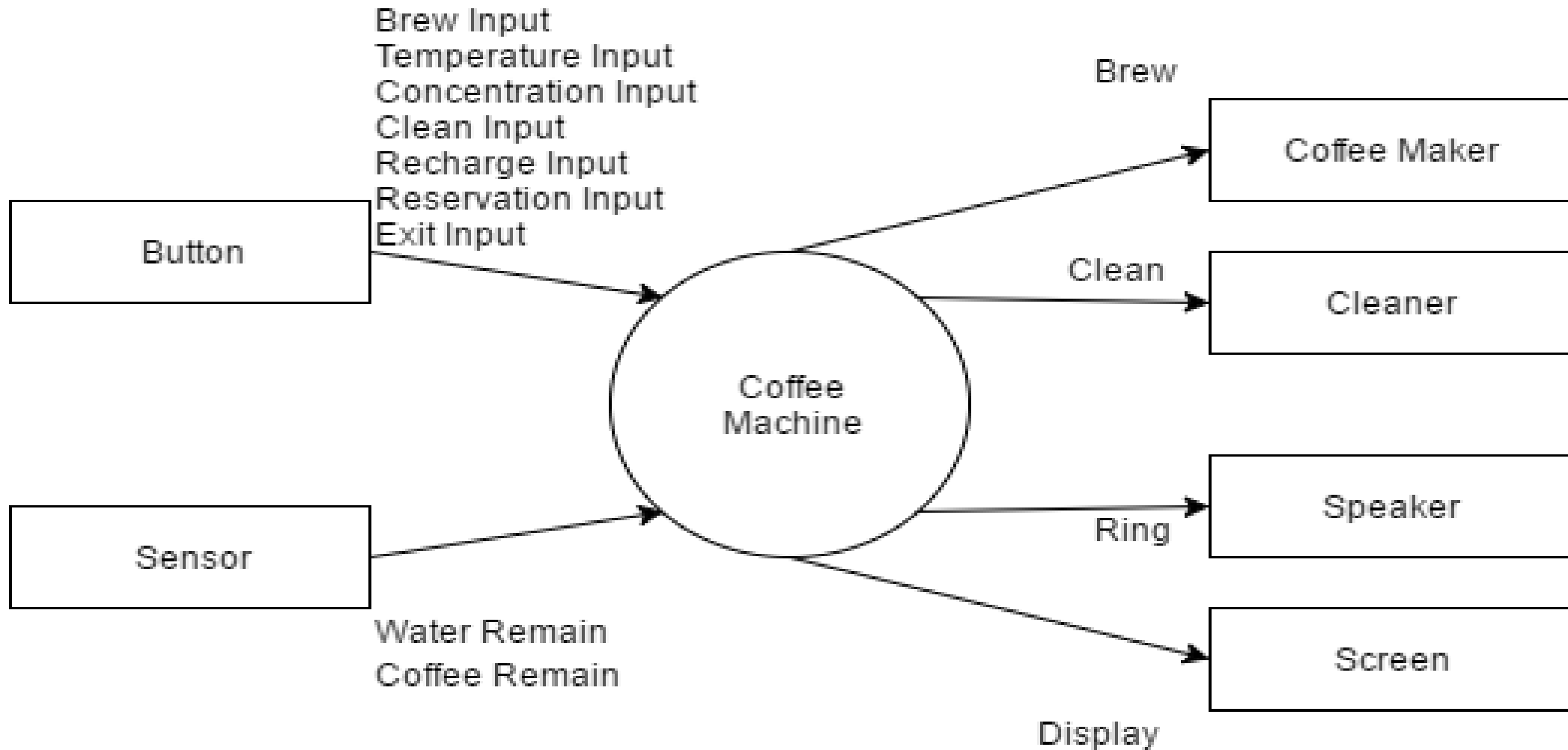
Basic System Context Diagram



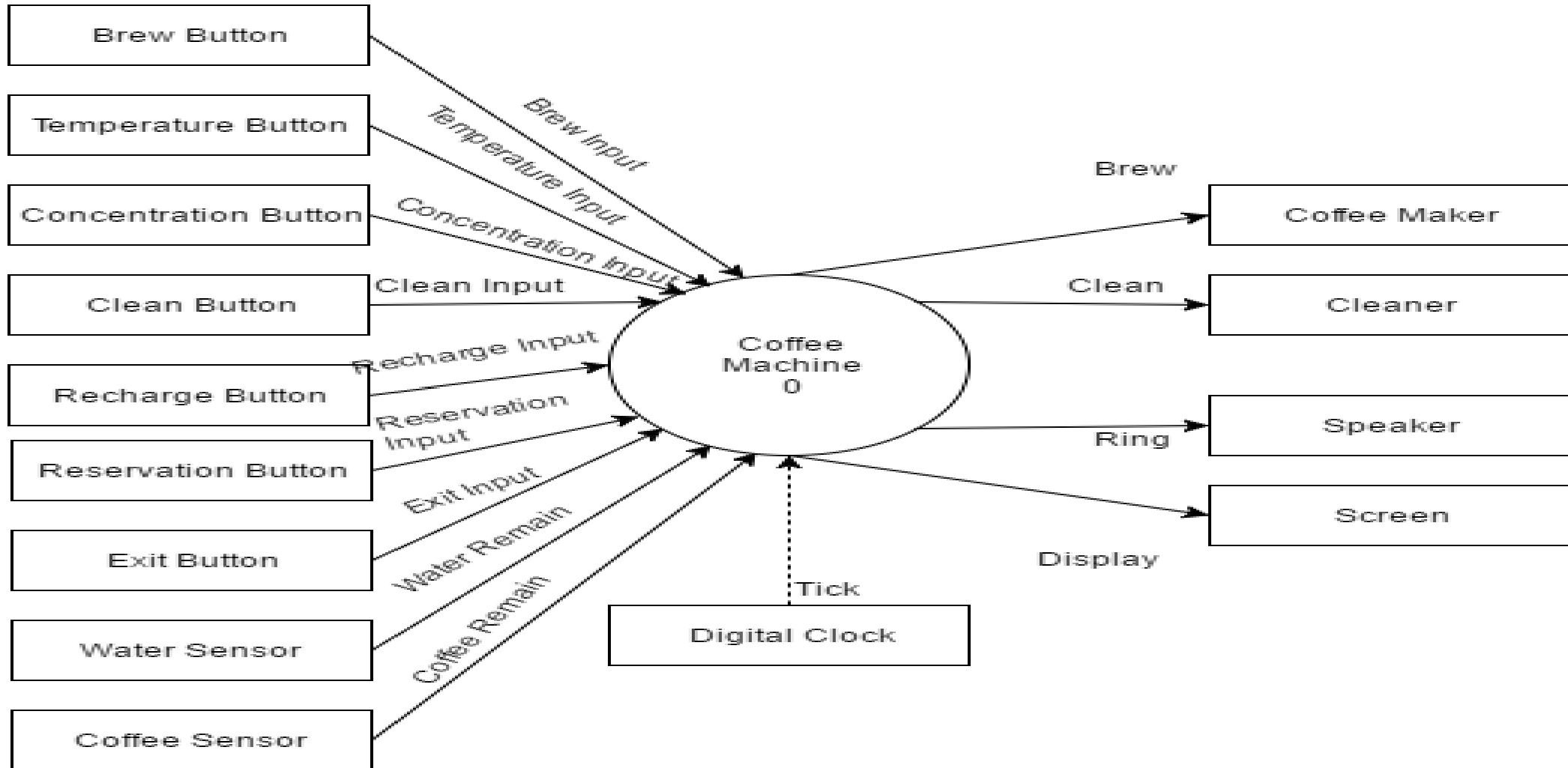
Event List

Input/ Output Event	Description
Brew Input	커피 추출 명령 입력
Temperature Input	온도 설정 입력
Concentration Input	농도 설정 입력
Clean Input	청소 명령 입력
Recharge Input	충전 명령 입력
Reservation Input	예약 명령 입력
Exit Input	종료 명령 입력
Water Remain	Sensor에서 감지한 물의 양
Coffee Remain	Sensor에서 감지한 원두의 양과 커피 가루의 유무
Brew	Controller가 분석하여 Coffee Maker에 작업을 명령
Clean	Controller가 분석하여 Cleaner에 작업을 명령
Display	Controller가 분석하여 Screen가 화면을 출력
Ring	Controller가 분석하여 Speaker가 소리를 출력

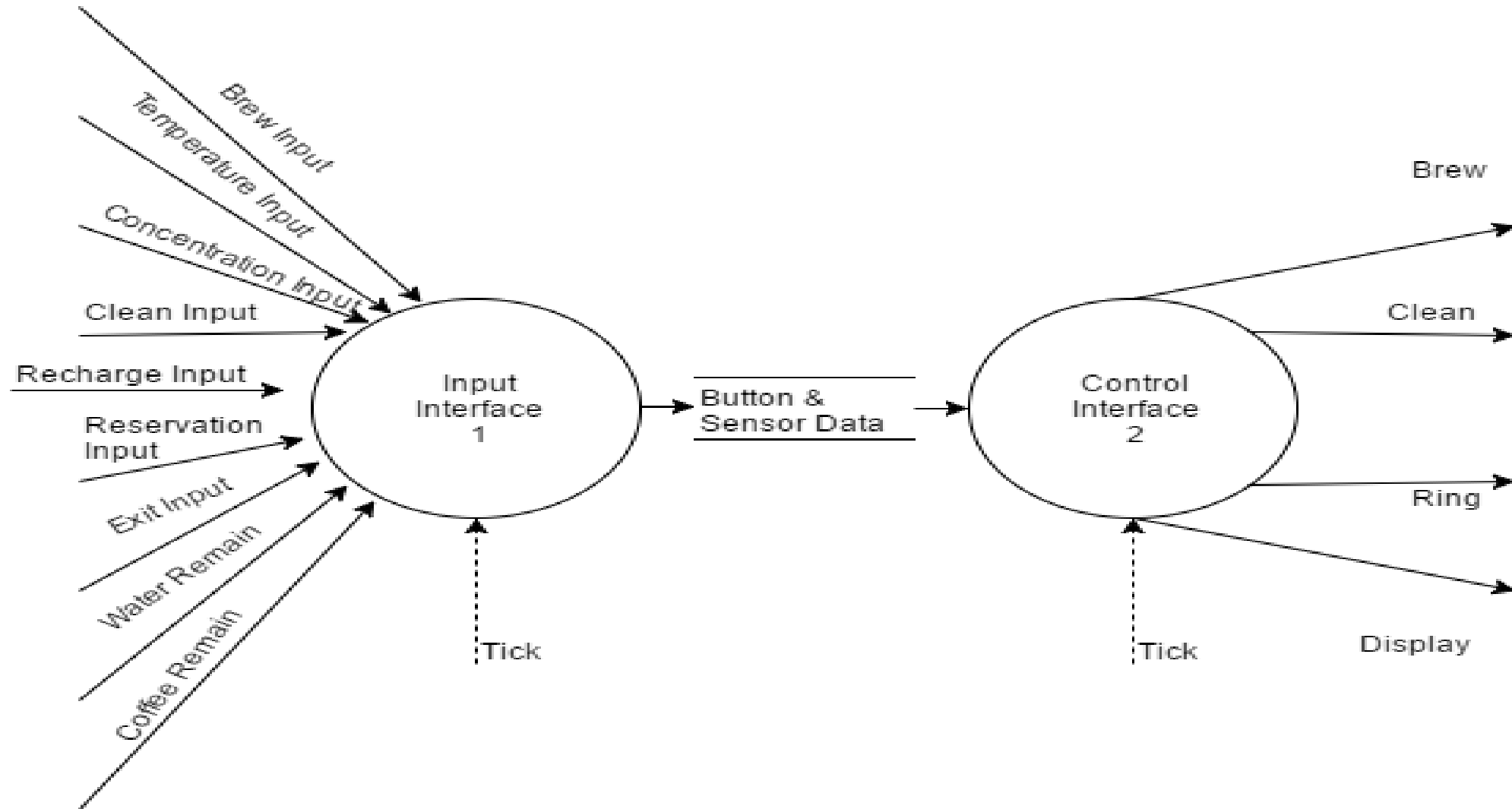
System Context Diagram



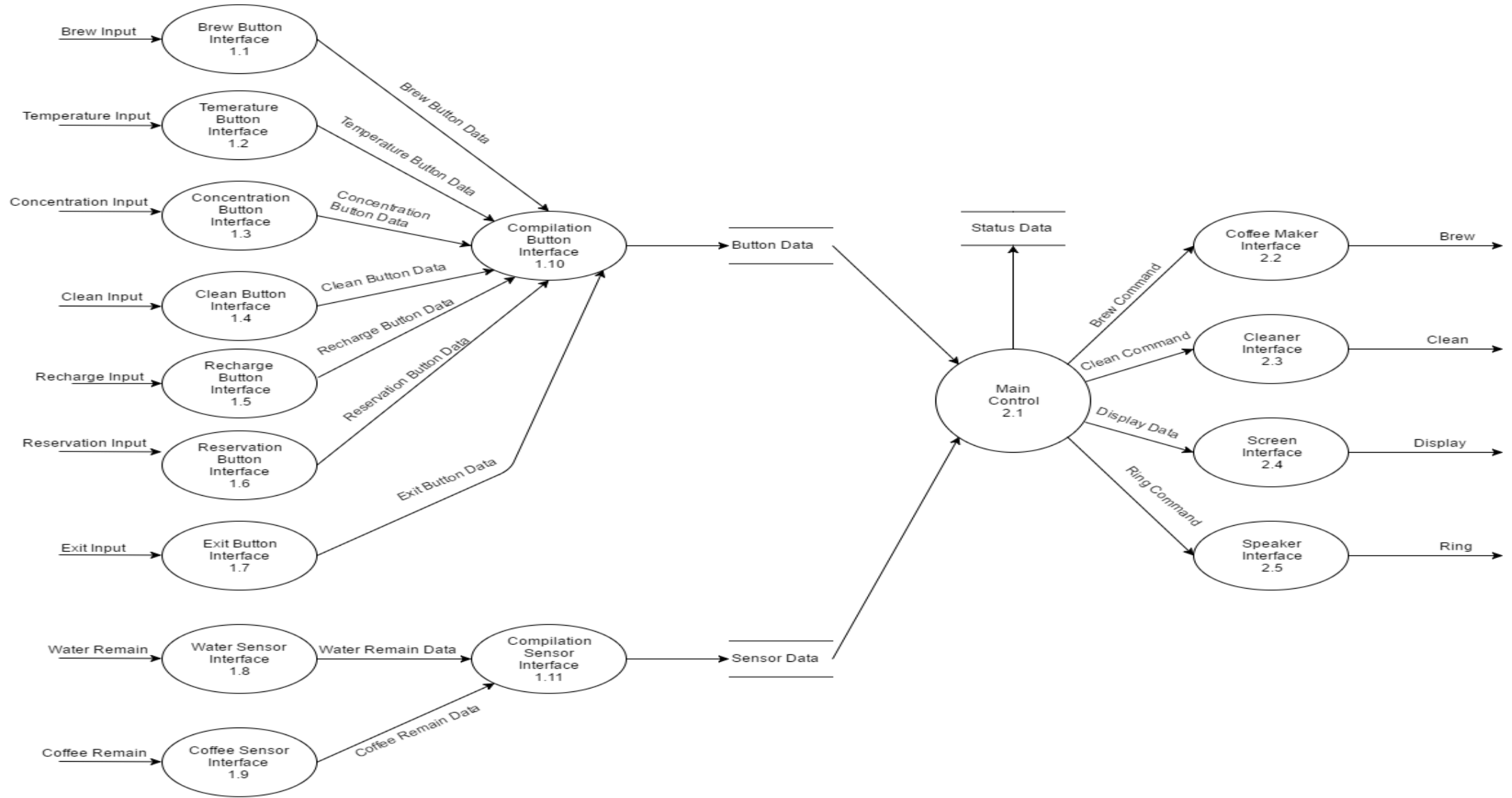
Data Flow Diagram Lv.0



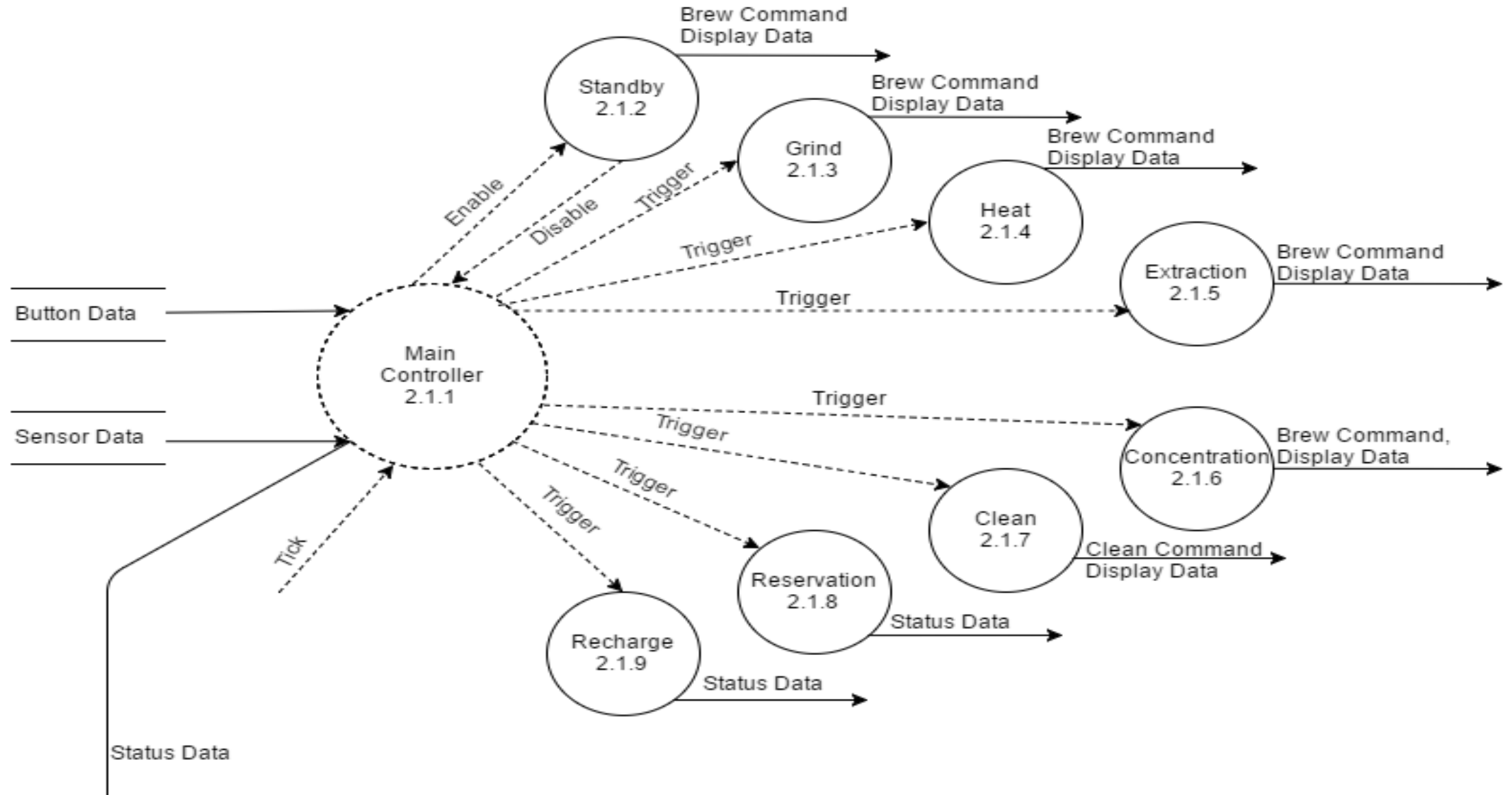
Data Flow Diagram Lv.1



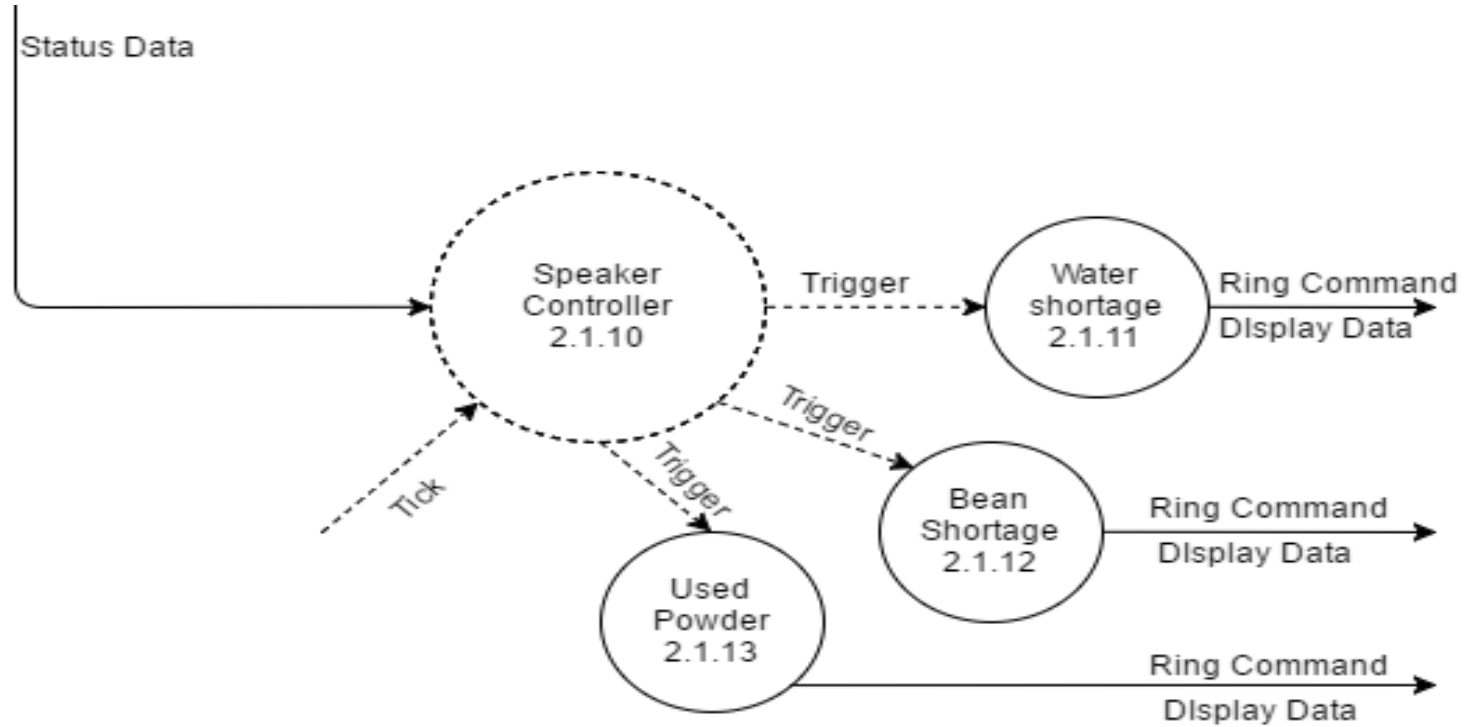
Data Flow Diagram Lv.2



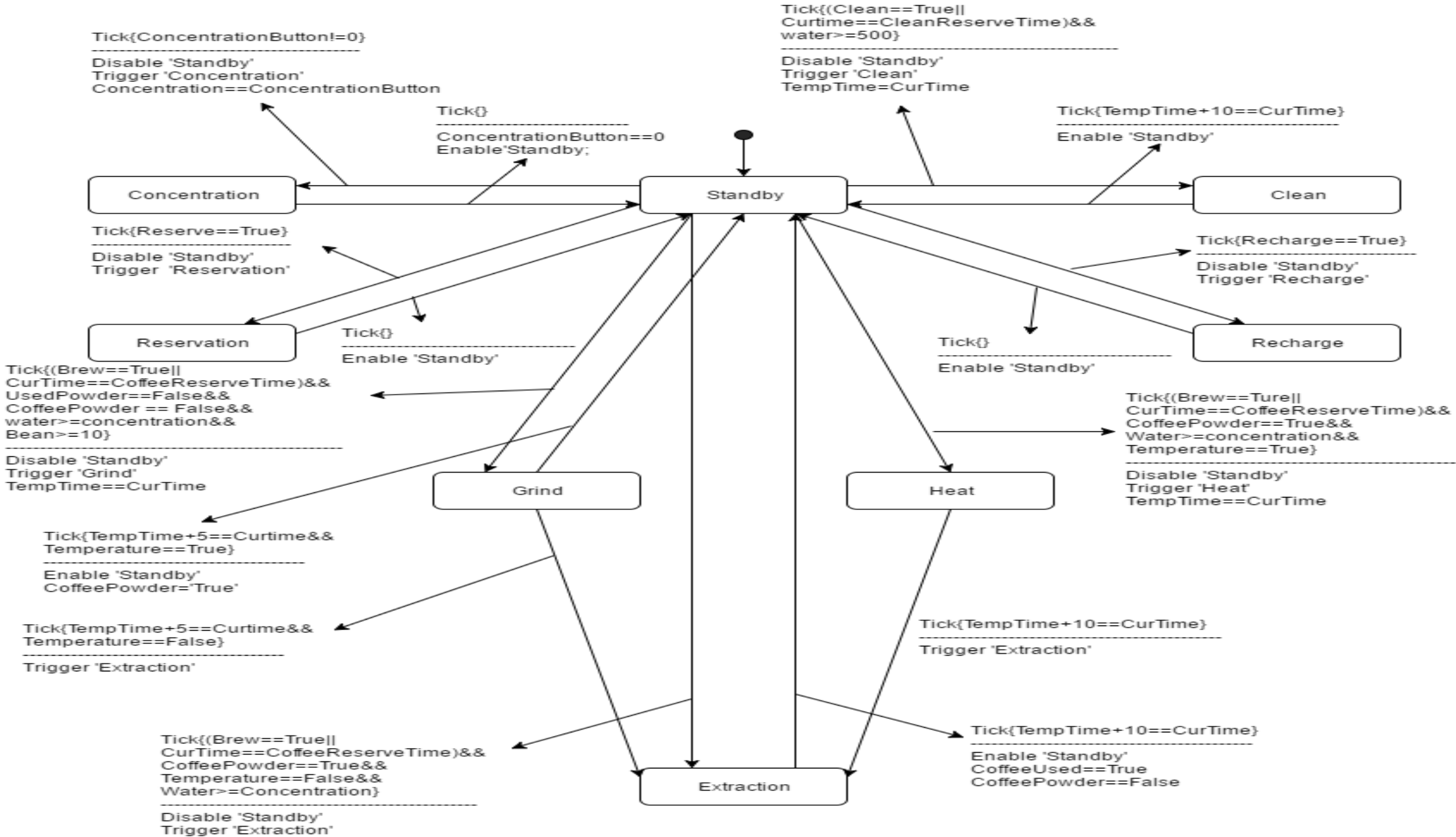
Data Flow Diagram Lv.3



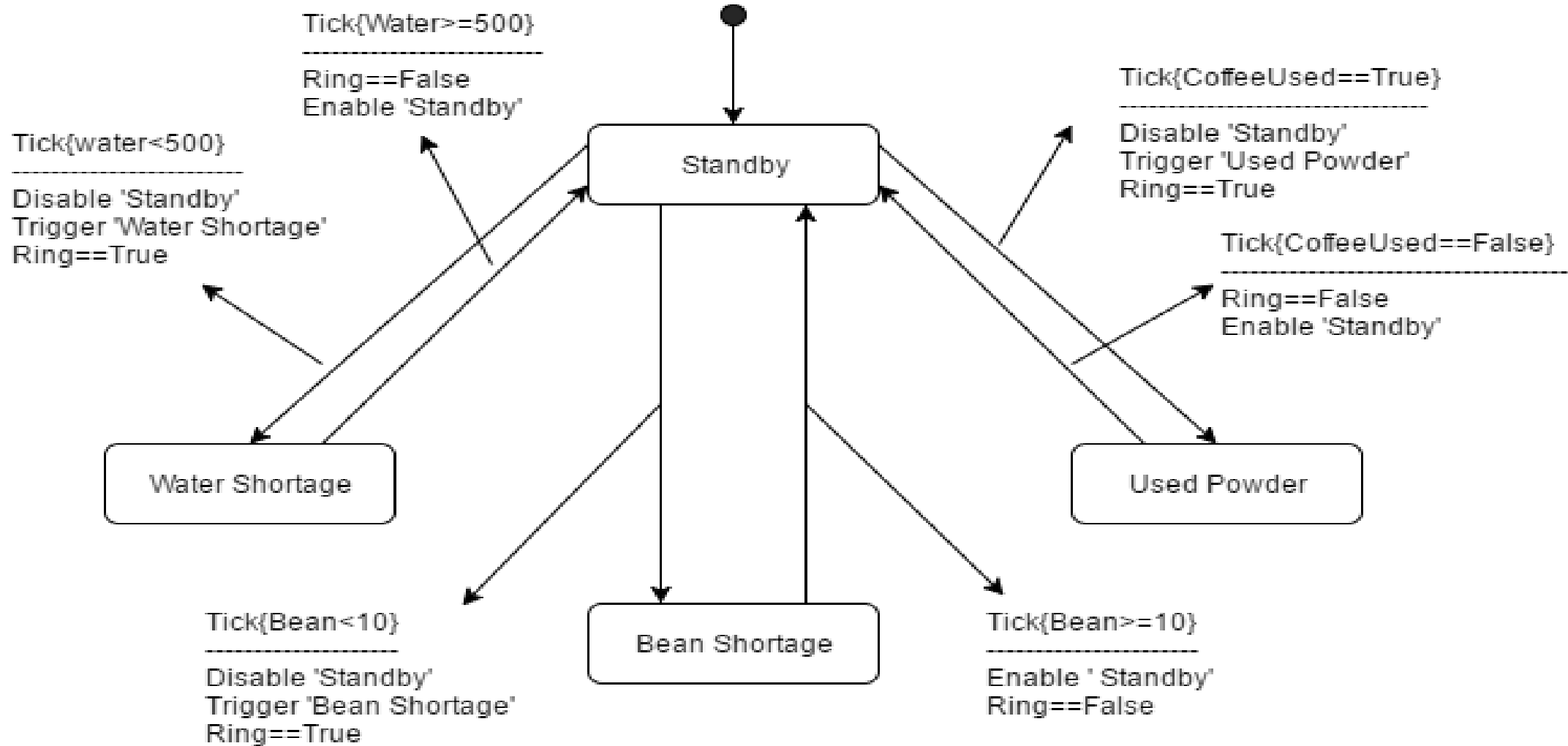
Data Flow Diagram Lv.3



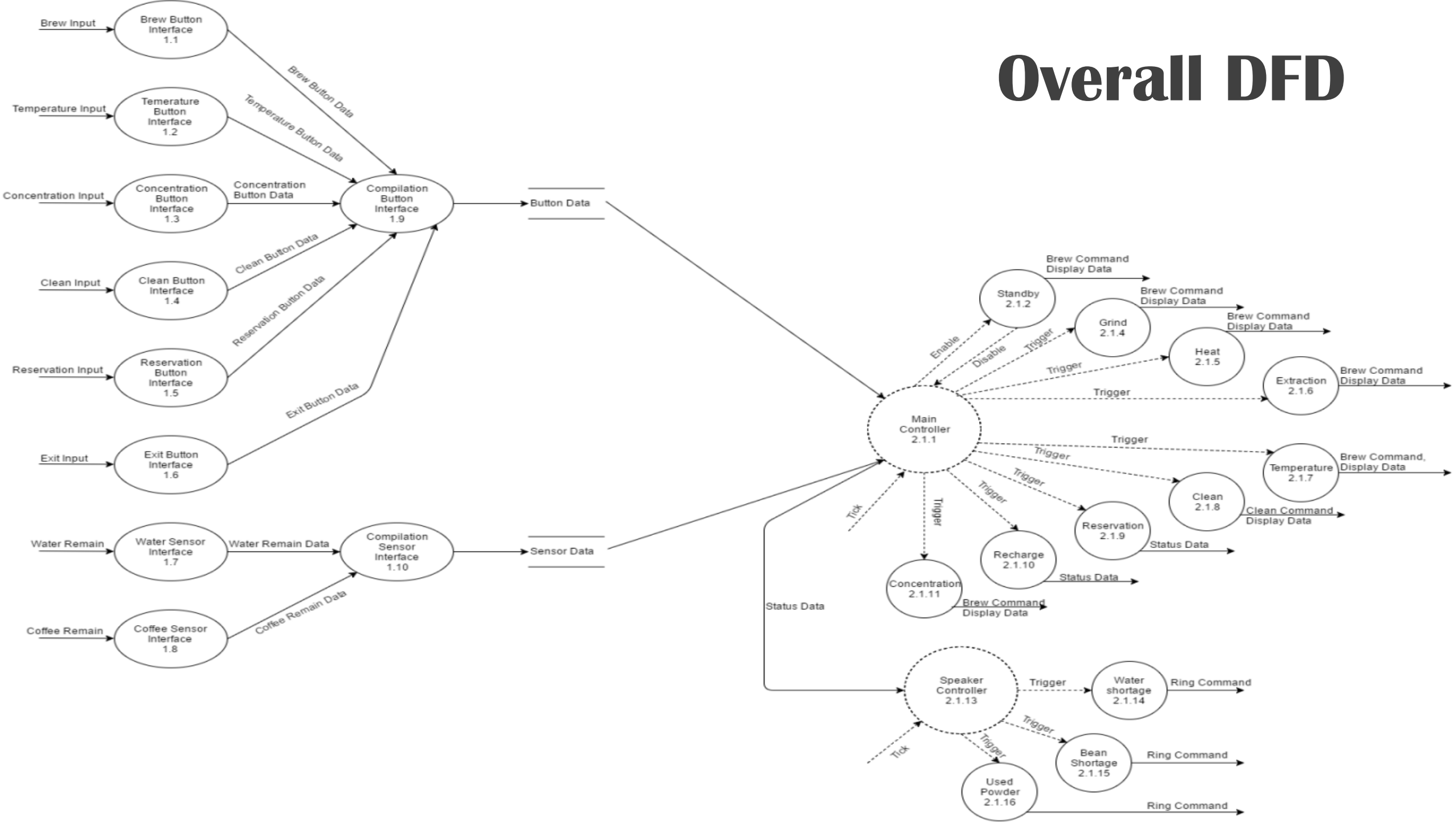
State Transition Diagram Main Controller



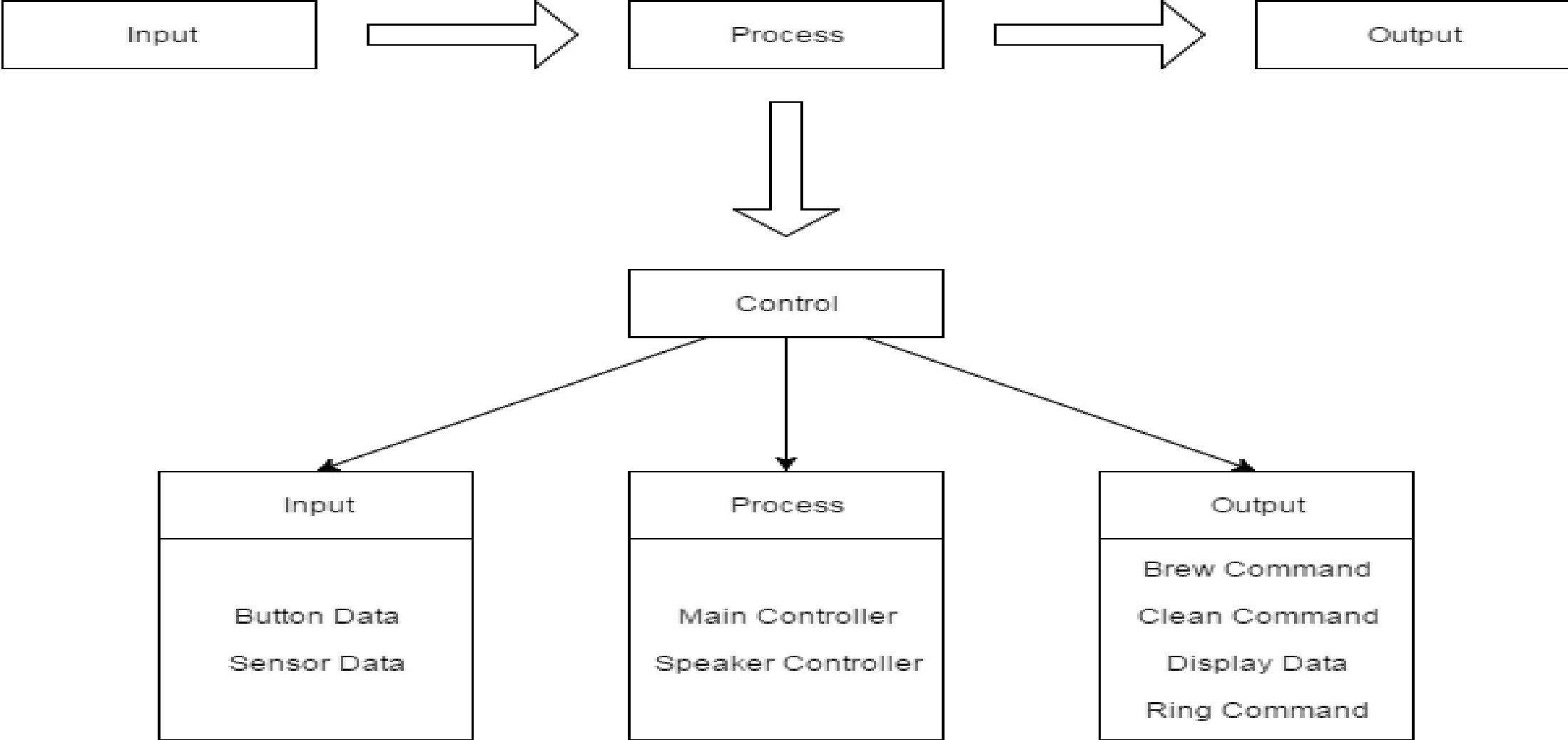
State Transition Diagram Speaker Controller

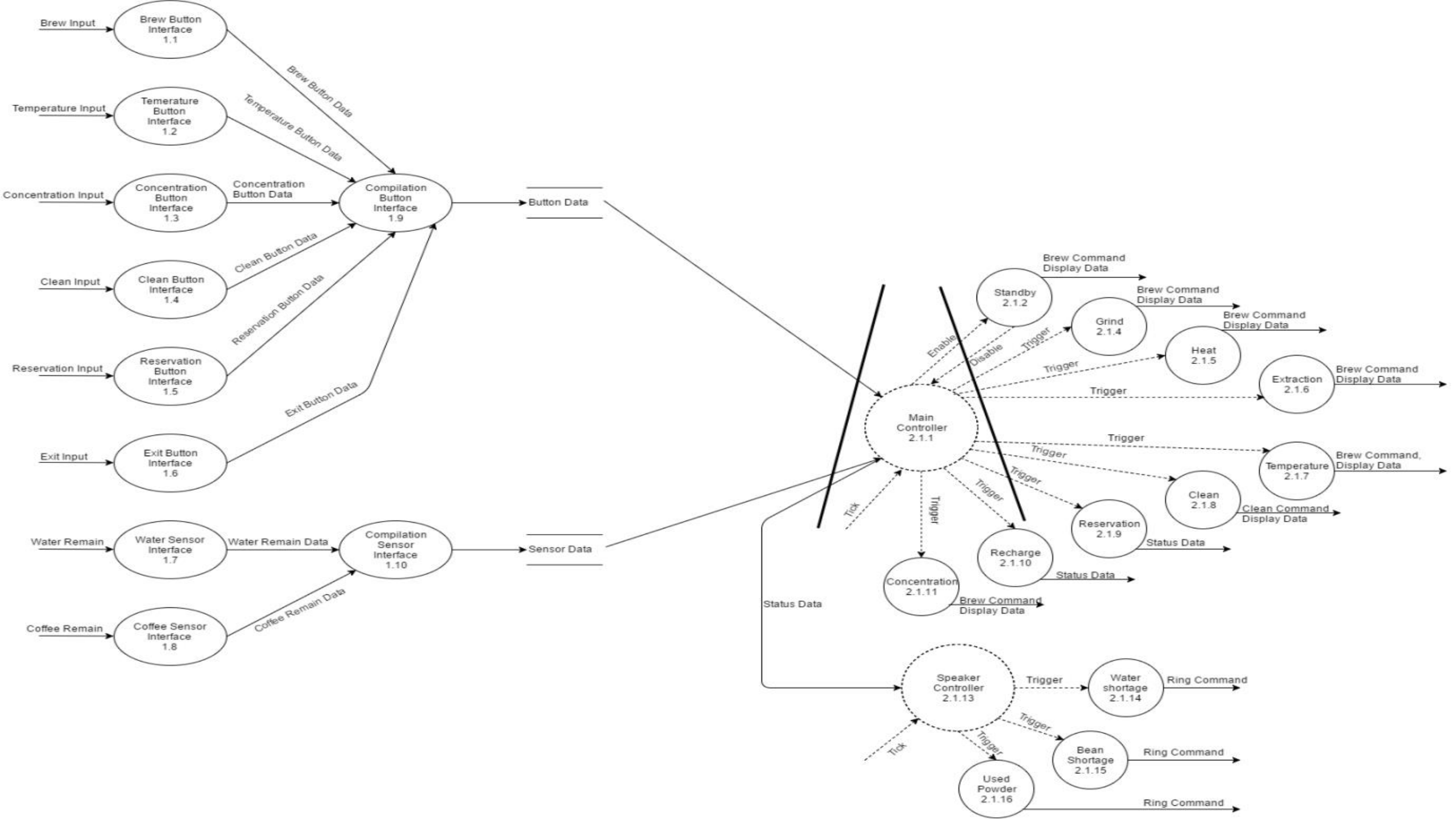


Overall DFD

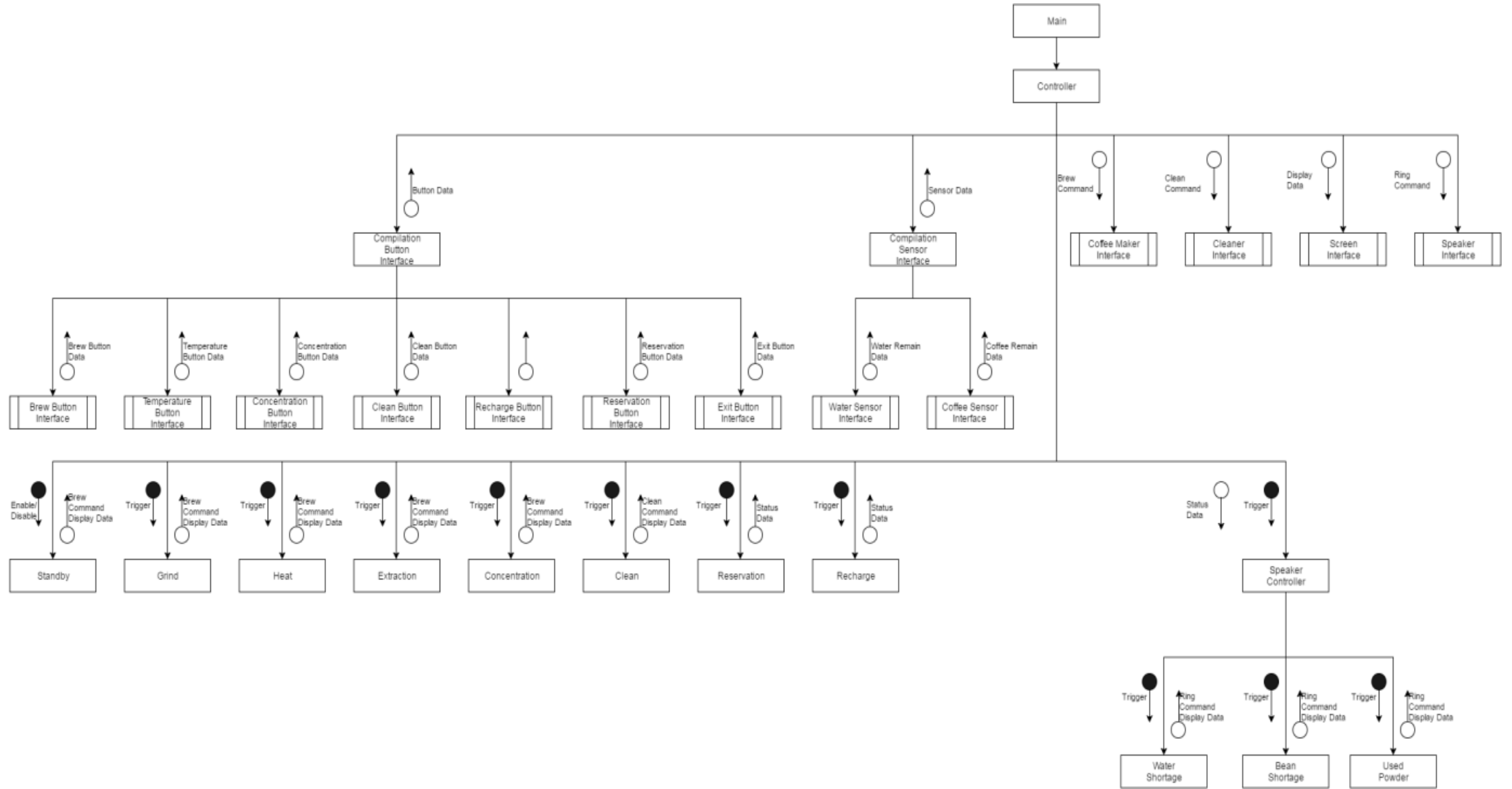


Structured Design

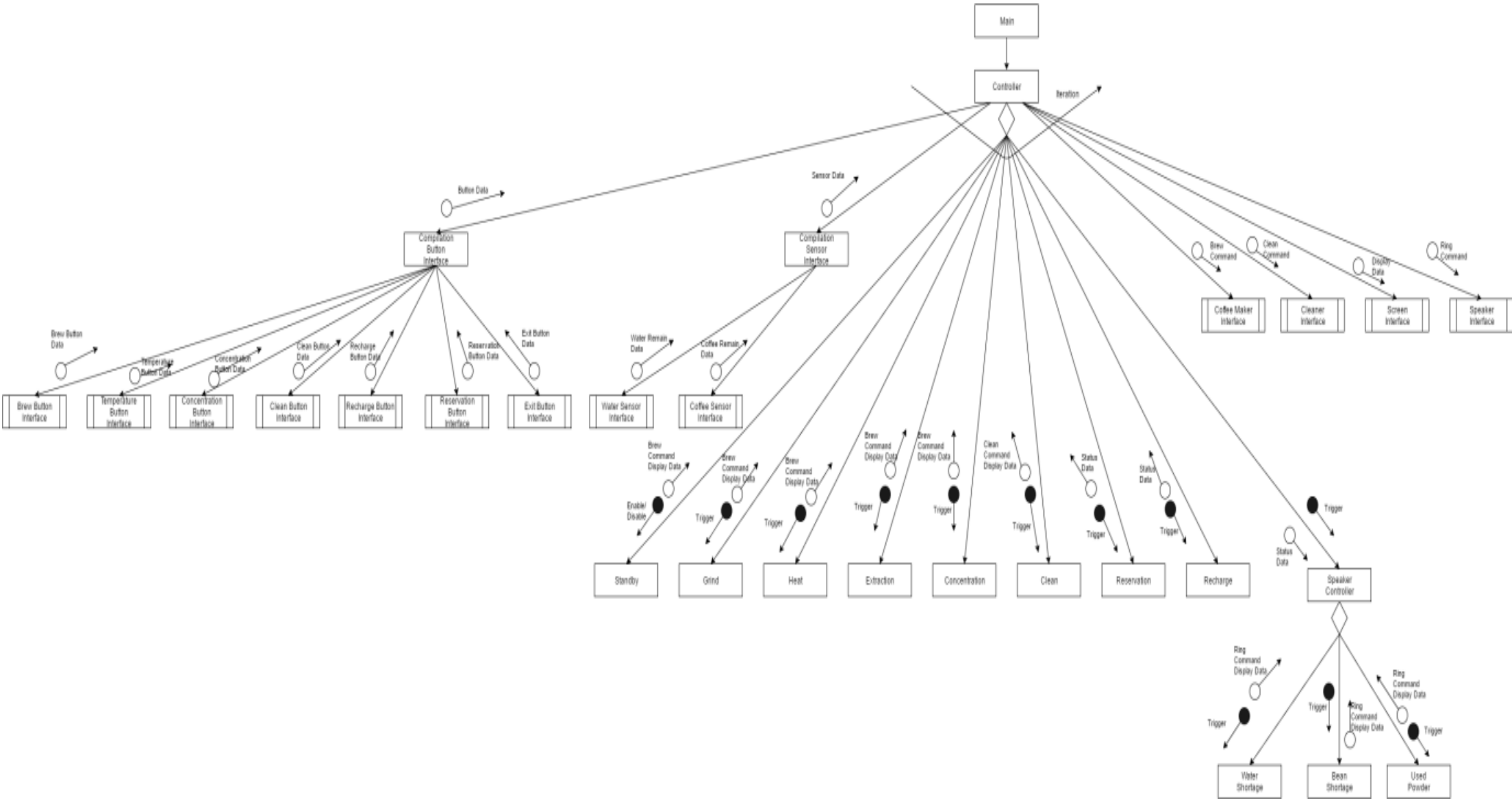




Structured Charts Basic



Structured Charts Advanced



Thank you