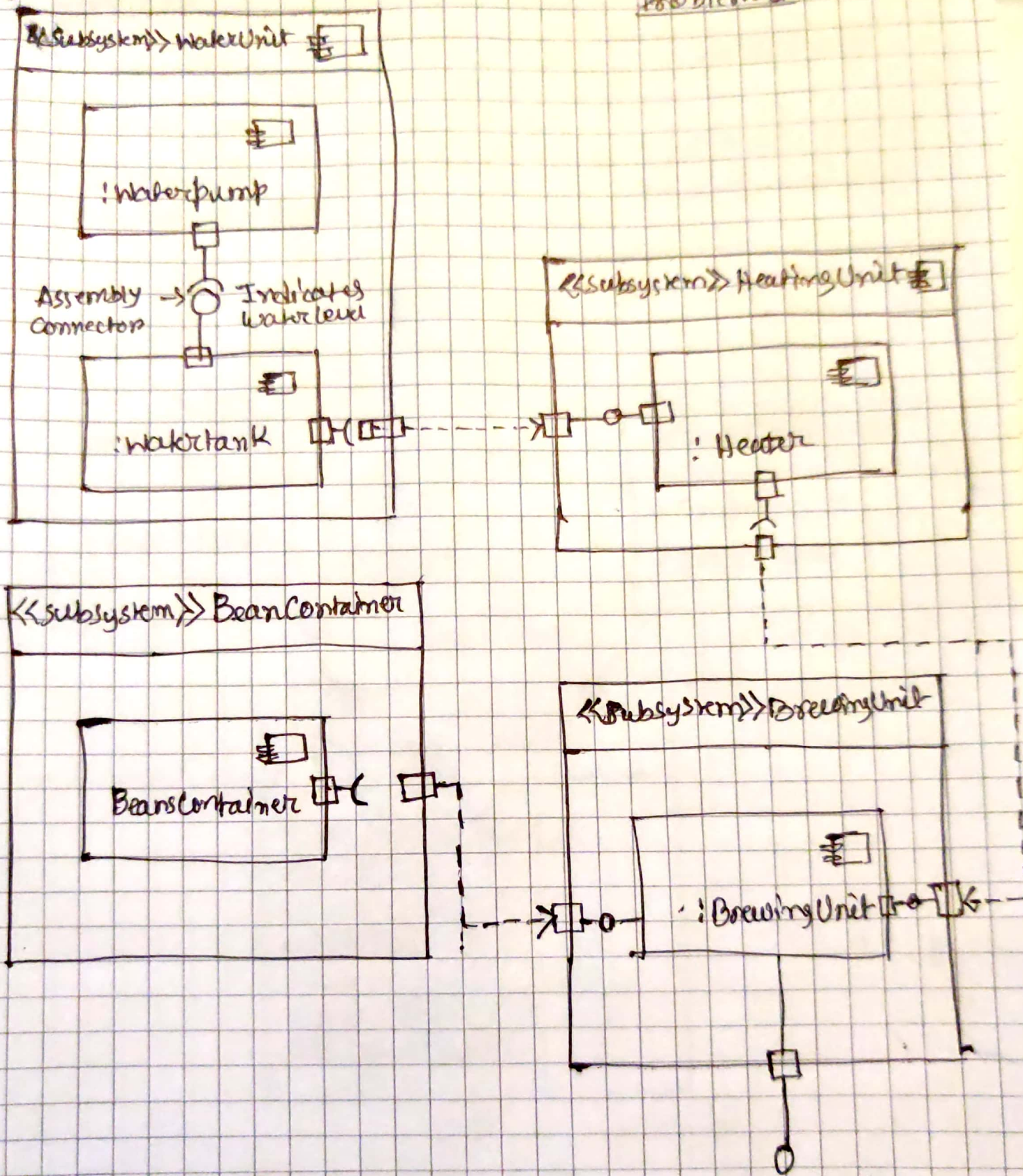


Architectural Thinking Assignment 1 submitted by Akshay Joshi and Smita Bhattacharya

Akshay Joshi (Matriculation: 2581346)

Smita Bhattacharya (Matriculation: 2581485)

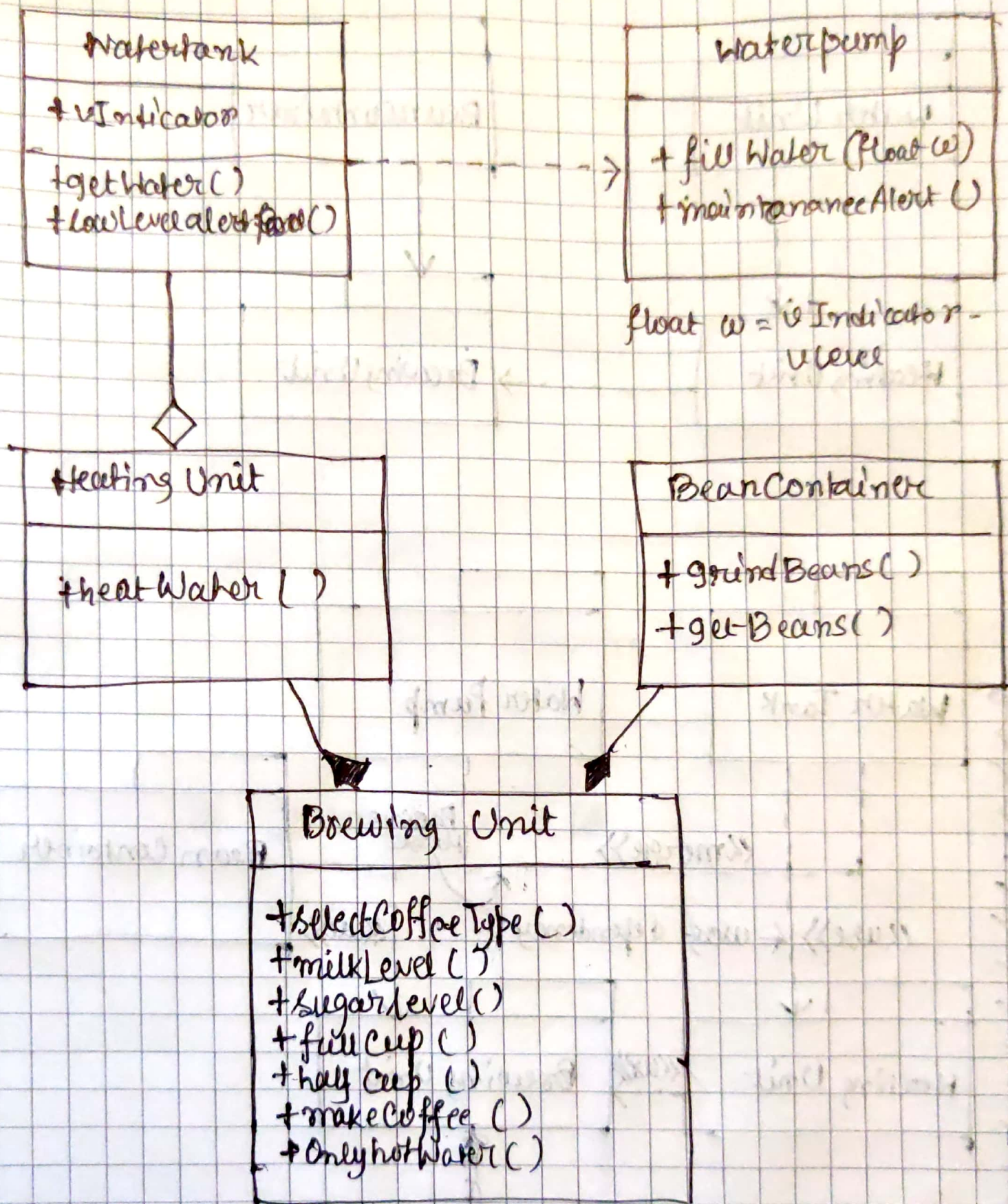
Problem 1:



Component diagram

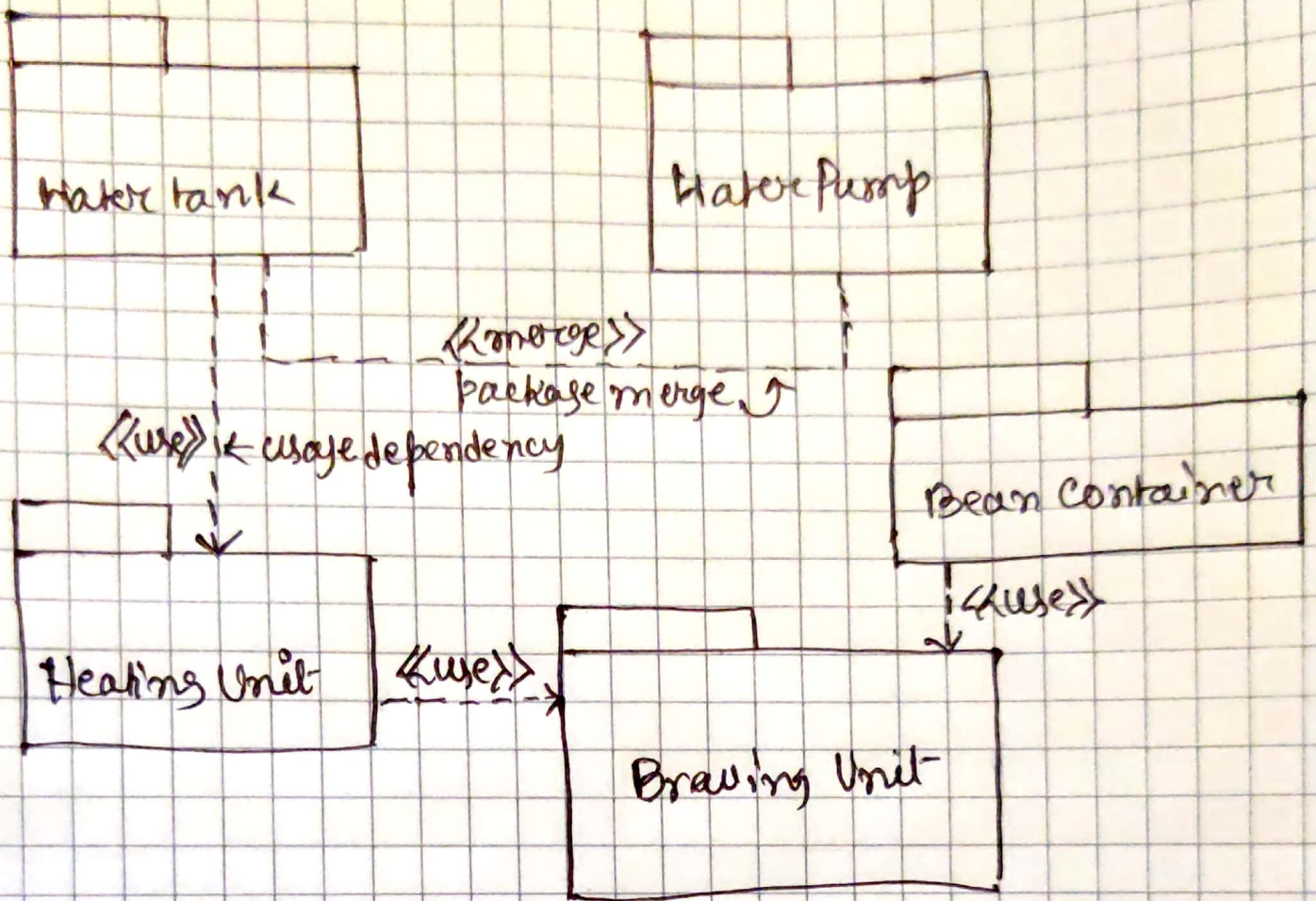
collection of coffee

Problem 2



class Diagram

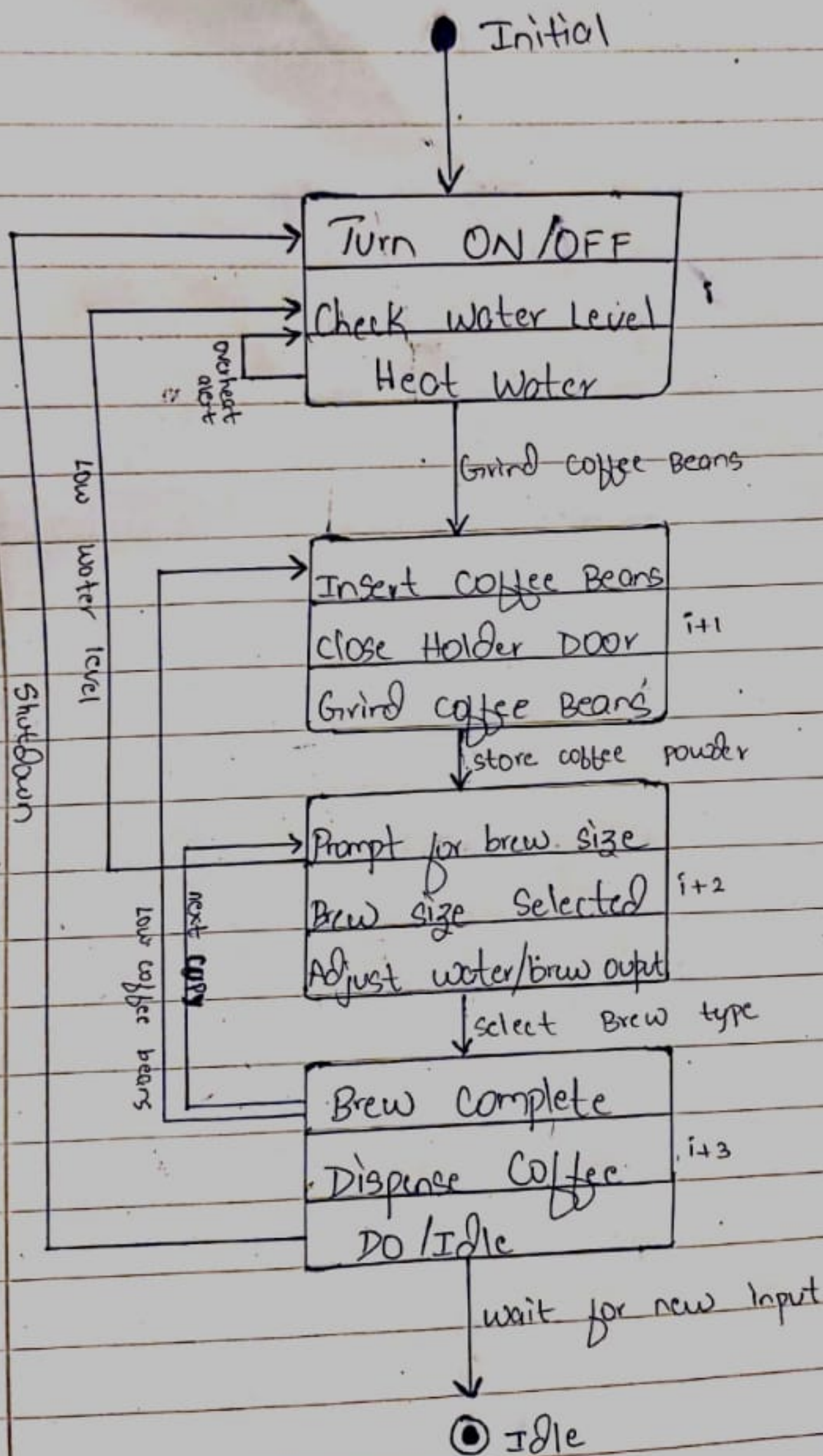
Problem 2)



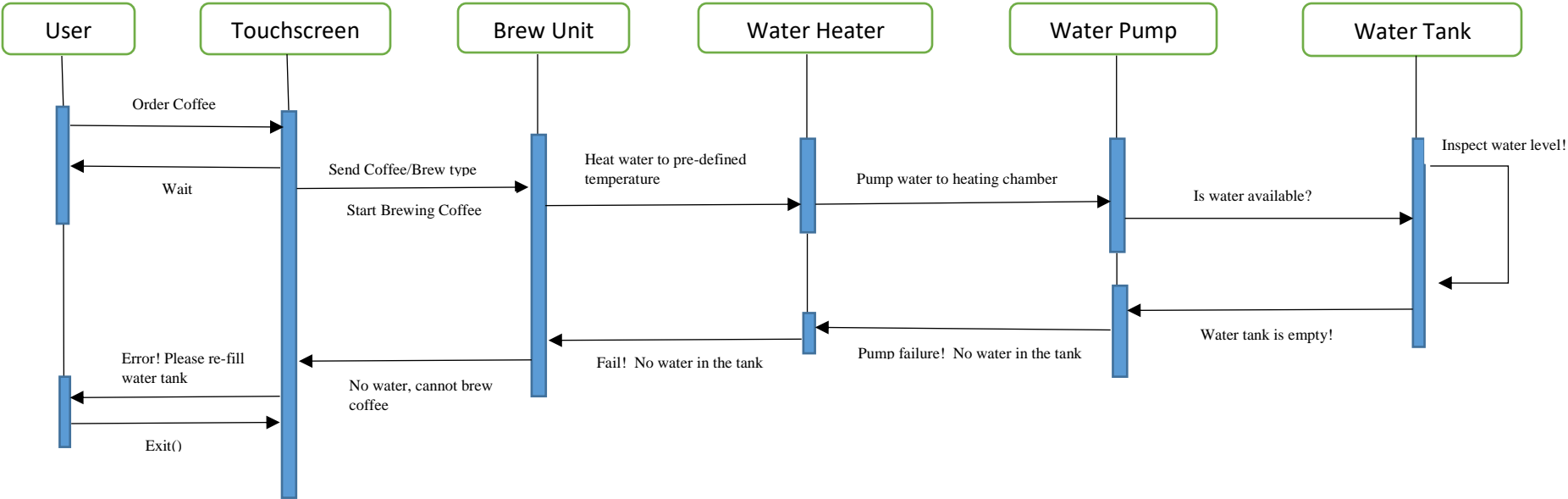
■ Package Diagram ■

3

Temporal Evaluation using State Diagram:



Question 4:



Question 5:

Project Title: An Approach to build Context Sensitive Intelligent Assistant

Abstract: In the past few years, advances in artificial intelligence have captured the public imagination and led to widespread acceptance of AI-infused assistants. We have come across a multitude of systems ranging from Google Assistant, Amazon Alexa, Siri and so on. The goal is to advance the ability of systems to interact with us in a more natural way and this is critical for the AI-human relationship to reach its fullest potential. AI-infused personal assistants let us ask a wide array of questions and receive answers. Since, these systems are highly context insensitive, user frustration levels with AI conversational agents are beginning to rise. To add this contextual intelligence to the system, we explore different training techniques ranging from supervised learning to reinforcement learning in this project.