LAB 4. Requirements Elicitation

Use Cases

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Agenda

Elicitation of requirements for the Traffic Light System

- **development of use cases**
  - **general information**
    - **actors**
    - **system states**
    - **use cases diagram**
  - **use cases**
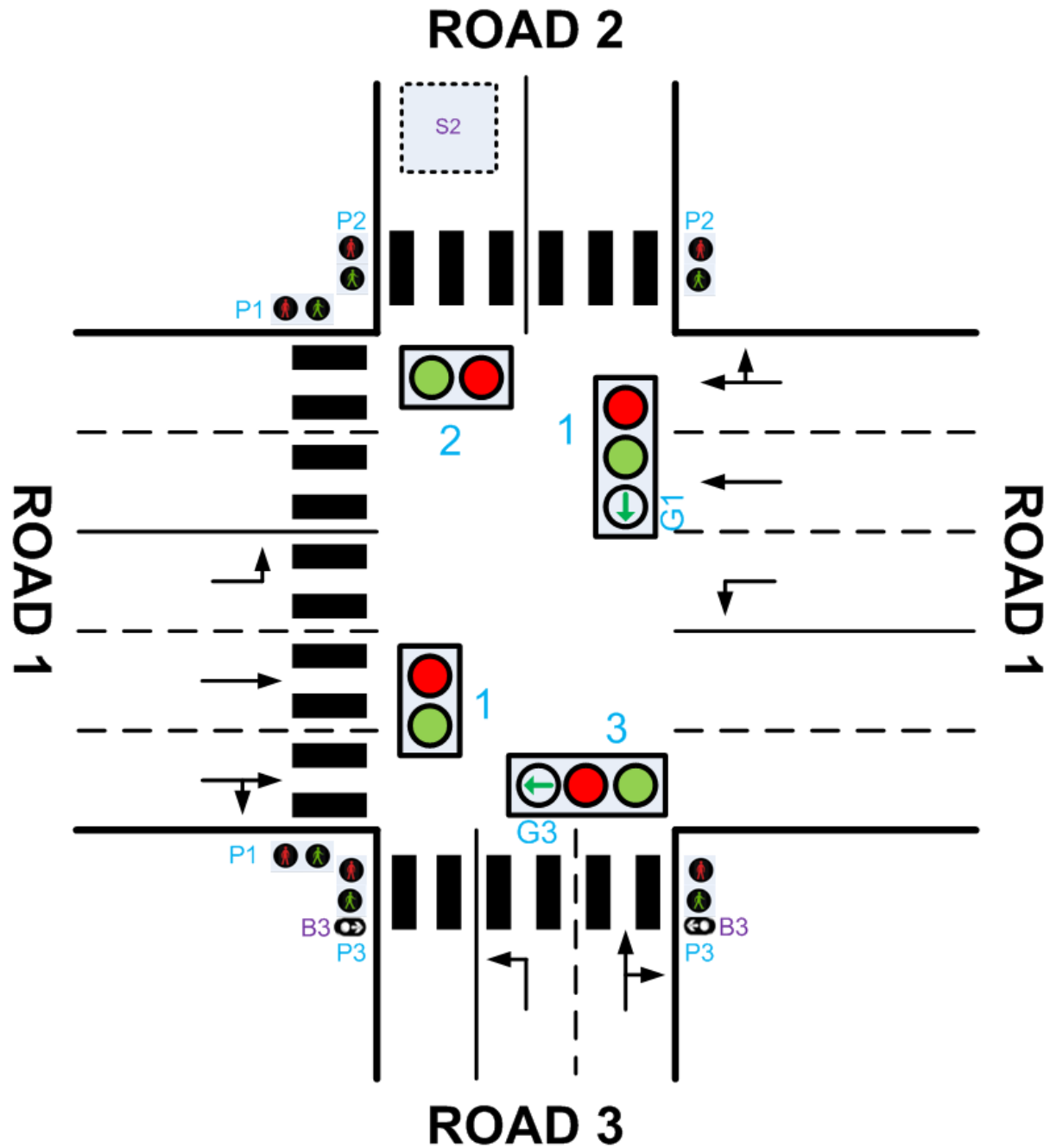   - **group development of use cases**

Traffic Lights System
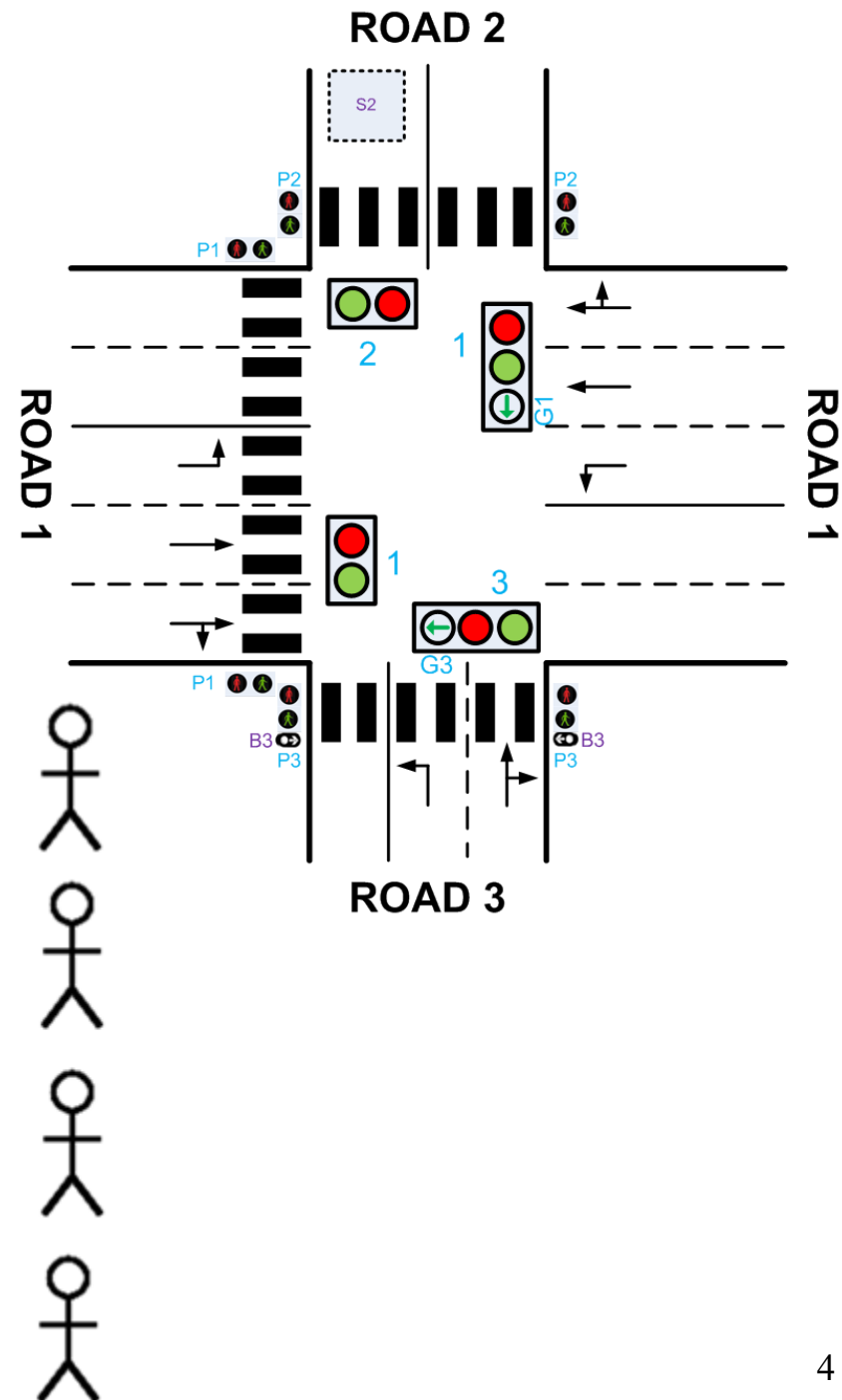
Actors
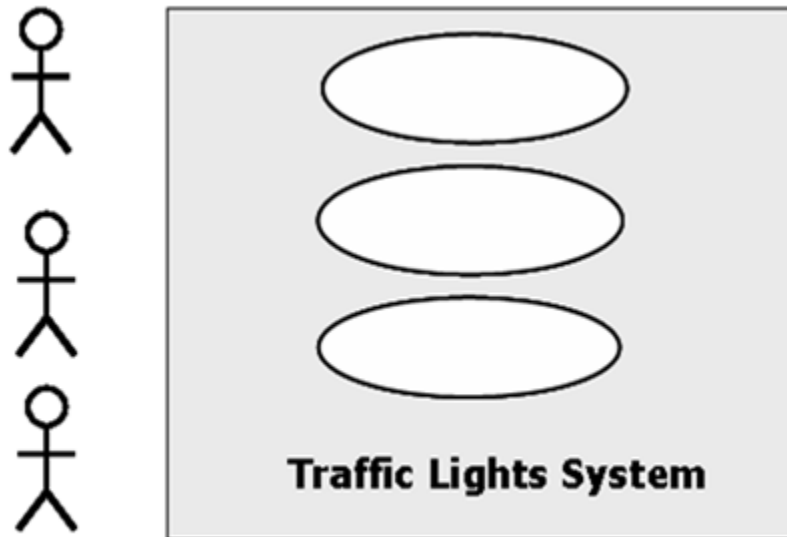
– ...

Inputs

– ...

System States

– **default state**

– **state 1**

– **state 2**

– **...**

ROAD 2

ROAD 1

ROAD 1

ROAD 3

Traffic Lights System

Use Cases Diagram

– **list all use cases and the corresponding actors**

Use case ID: UC-x	Use case name:
Description/Story:	
Story:	
Simple description of the use case	
Includes:	
UC-x name	
…	
Frequency of Use:	
As specific as possible, e.g. daily	
Special Requirements:	
If there is any	
Assumption:	
If there is any	
Notes/Issues:	
If there is any	
Pre-condition:	
Precondition 1	
…	
Post-condition:	
Postcondition 1	
…	
Actor(s):	**Package:**
Status: Submitted/In Progress/…	**Priority:** High/Medium/Low
Created by:	**Created Date:**
Normal flow:	
User Action 1 System response 1	
…	
Alternative flow:	
User Action 1 System response 1	
…	
Exceptions:	
Exception 1.0.E.1	
User Action 1 System response 1	
…	
Business Requirements:	
BR-xx Any business requirements associated	
…	
Software Requirements:	
SR-xx Any software requirements associated	
…	

Traffic Lights System
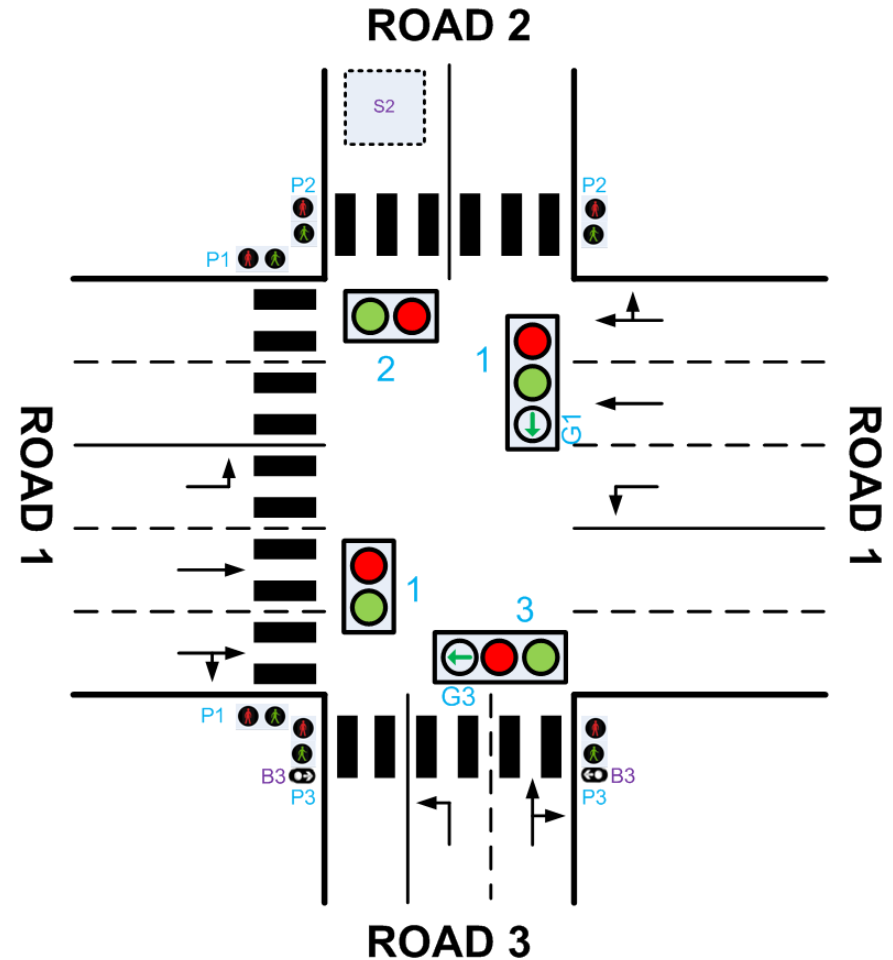
Use Cases for Traffic Light System

Each group will develop the use cases for the TLS

- Please use the use case template that has been given to you (check eclass)

- You will enter the use cases to your TLS project in Google Docs

Homework

Now, please use Vision Document Template to enter the information about the Traffic Light System

You MUST enter:

- **6- Key use Cases**
- **7- Other product Requirements**
- **8- Documentation Requirements**
- **9- Glossary**

Homework

Each group must submit Part 2 of the Vision Document for the TLS

- **This is the second part of your lab report #2**

- **After you enter all required information**

  - **Save the file on your hard disk as PDF file**

  - **upload the report in .pdf eclass by Wednesday, October 17th, 6 pm MDT for Monday lab and by Sunday , October 19th, 6 pm MDT for Friday lab**