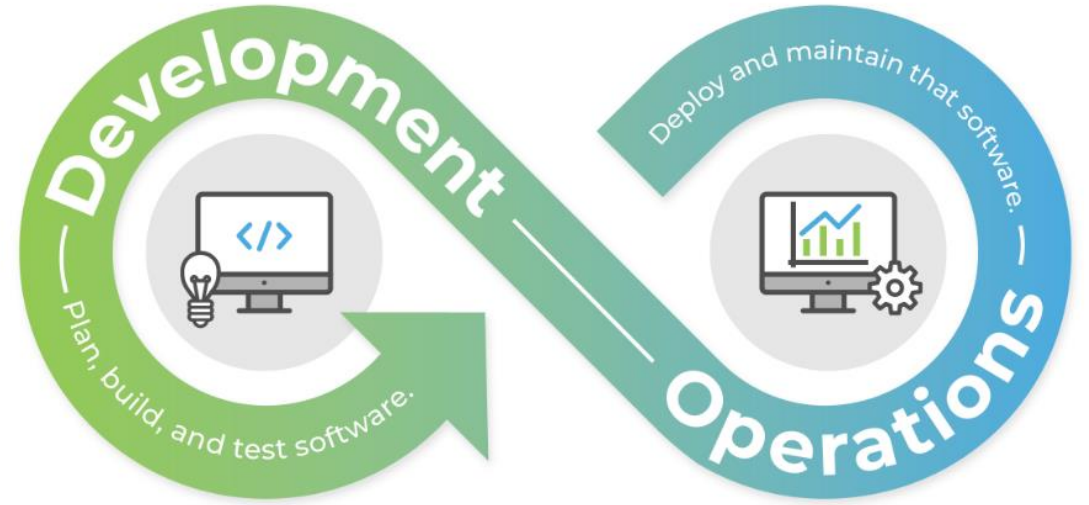


Working in a Software Project Team



Agenda for this session

- What is a software project
- Different types of software projects
- What is a software project team
- What are the roles in a software project team
- What are the challenges faced by software project teams - list them under three categories a) People b) Process c) Technology or Platform



Implement a smart traffic signal system

1. Works in a junction of 2 roads (East to West and North to South). Both roads are two ways with 3 lanes on each way.
2. Standard Green/Yellow/Red & Turn signals required.
3. Pedestrian crossing signal required. Pedestrian request button required for crossing the road.
4. Signals must be configurable (From Time, To Time, Mode). Mode can be 'Blinking Yellow' or 'Standard' (every side gets 60 seconds 'Green', and 5 seconds (Yellow) before transitioning to Red), 'Optimized' (The duration of Green is decided based on traffic density).

Implementation details

- You can use Java as your programming language. Learn 'Design Patterns' and use 'State Pattern' for this implementation.
- Simulate vehicle movement on screen (using icons, or mouse and key board)

Thank You