

This section presents the Smart Home Software Product Line case study, which will be used through the paper to analyze if C# partial classes are a suitable mechanism to achieve feature-oriented software development. This case study was provided by Siemens in the context of the AMPLE project¹ [1]. We have selected it because it has demonstrated during the AMPLE project to be an excellent benchmark for Software Product Line Engineering; since it contains a wide range of variations of different kind and nature. Thus, it can be used to analyze if a new research contribution works properly in a wide range of potential situations.

A Smart Home has ...

¹<http://>