CRC-R Template

Component Name	*Give the component an easy-to-remember name*
Responsibilities	*List the responsibilities assigned to the component*
Collaborators	*List of other components this component depends on for (delegated) services [out-ports]*
Rationale	*State the rationale for allocating responsibilities to this component. Provide traceability to functional requirements and qualities or meta-architecture.*
Issues and Notes	List assumptions, constraints, unknowns, etc.

CRC-R Template

Purpose of the CRC-R Template

- Informally document the component early in the structuring phase.
- Provide a summary view of the component specification.

Guidelines for creating CRC-Rs

For each component

- Give the component a memorable name
- Make a first pass at assigning responsibilities to the component, taking into account architecting principles such as loose coupling and high cohesion. (Note: The responsibilities will be refined during the logical architecture phase, using component collaboration diagrams to explore the assignment of responsibilities. Remember to update the CRC-R.)
- Make a first pass at determining which components this component will collaborate with as it fulfills its assigned responsibilities. (Update the CRC-R during logical architecture.)
- Record your rationale for assigning the responsibilities to the component, so that you won't forget, and others will understand your reasoning.
- Identify issues, assumptions, etc. relating to the component.

Uses of an CRC-R Component Description

To the architecture team

- forms a starting point for logical architecture

To others

- forms an easy-to-grasp description of the component and its responsibilities