The subject system of the take‐home final concerns a vehicle repair request system, which will be referred to as **VRR** system. The VRR system provides services that allow for vehicle collision estimation, repair auditing, rating repair facility, searching for recycled parts, and the like.

REQ1: The damaged vehicle owner shall search for the preferred repair facility using vehicle location and radius in miles.

REQ2: The adjuster shall enter the preferred repair facility on the estimate assignment.

REQ3: The adjuster shall be able to override the preferred repair facility on the estimate assignment.

REQ4: The estimator shall search for available recycled parts using damaged vehicle parts information.

REQ5: The estimator shall search for available recycled parts using a list of preferred parts suppliers.

REQ6: The estimator shall search by zip-code with a radius of 30 miles if no parts are found for the preferred parts suppliers.

REQ7: The available recycled parts information and their suppliers shall be returned to the damaged vehicle owner.

REQ8: The estimator shall apply selected recycled parts to the collision estimate.

REQ9: The adjuster shall review the collision estimate.

REQ10: The adjuster shall request a recycled parts audit of the collision estimate.

REQ11: The audit report shall be displayed to the damaged vehicle owner.

REQ12: The audit report shall be available to other adjusters at later points in time.

REQ13: The damaged vehicle owner shall select to view the preferred repair facility ratings.

REQ14: The damaged vehicle owner shall enter new ratings based on the audit report.

REQ15: The damaged vehicle owner shall select to save the preferred repair facility ratings.

Following is the original functional requirements, the ordering of this list is same as the previous modified list (i.e., REQ1↔%5,38, REQ2↔%5,44, … , REQ15↔%5,72)

% 5,38, The user shall search for the preferred repair facility using vehicle location and radius in miles.

% 5,44, The adjuster shall enter the preferred repair facility on the estimate assignment.

% 5,45, The adjuster shall be able to override the preferred repair facility on the estimate assignment.

% 5,48, The estimator shall search for available recycled parts using damaged vehicle parts information.

% 5, 49, The estimator shall search for available recycled parts using a list of preferred parts suppliers.

% 5,51, The estimator shall search by zip-code with a radius of 30 miles if no parts are found for the preferred parts suppliers.

% 5,53, The available recycled parts information and their suppliers shall be returned to the user.

% 5,54, The estimator shall apply selected recycled parts to the collision estimate.

% 5,56, The adjuster shall review the collision estimate.

% 5,57, The adjuster shall request a recycled parts audit of the collision estimate.

% 5,64, The audit report shall be displayed to the user.

%5,65, The audit report shall be available to other adjusters at later points in time.

% 5,66, The user shall select to view the preferred repair facility ratings.

% 5, 69, The user shall enter new ratings based on the audit report.

% 5,72, The user shall select to save the preferred repair facility ratings.