

# CRC Cards for Management System

System Designer

June 22, 2025

User	
<b>Responsibilities</b> <ul style="list-style-type: none"><li>• Authenticate into the system</li><li>• Update personal information</li><li>• View accessible resources</li><li>• Manage notifications</li></ul>	<b>Collaborations</b> <ul style="list-style-type: none"><li>• Authentication Service</li><li>• Notification System</li><li>• Profile Manager</li></ul>

Administrator	
<b>Responsibilities</b> <ul style="list-style-type: none"><li>• Manage user accounts</li><li>• Configure system settings</li><li>• Generate system reports</li><li>• Monitor system performance</li><li>• Apply security policies</li></ul>	<b>Collaborations</b> <ul style="list-style-type: none"><li>• User</li><li>• Report Generator</li><li>• System Configuration</li><li>• Security Service</li><li>• Audit Logger</li></ul>

Employee	
<b>Responsibilities</b> <ul style="list-style-type: none"> <li>• Track working hours</li> <li>• Submit time sheets</li> <li>• Request time off</li> <li>• View performance metrics</li> <li>• Access training materials</li> </ul>	<b>Collaborations</b> <ul style="list-style-type: none"> <li>• TimeSheet Manager</li> <li>• Leave Request System</li> <li>• Performance Tracker</li> <li>• Training Repository</li> </ul>

Department	
<b>Responsibilities</b> <ul style="list-style-type: none"> <li>• Manage department resources</li> <li>• Track department objectives</li> <li>• Allocate budgets</li> <li>• Generate department reports</li> </ul>	<b>Collaborations</b> <ul style="list-style-type: none"> <li>• Employee</li> <li>• Budget Controller</li> <li>• Project Manager</li> <li>• Report Generator</li> </ul>

Project	
<b>Responsibilities</b> <ul style="list-style-type: none"> <li>• Track project progress</li> <li>• Manage project resources</li> <li>• Define project milestones</li> <li>• Store project documentation</li> <li>• Manage project team</li> </ul>	<b>Collaborations</b> <ul style="list-style-type: none"> <li>• Employee</li> <li>• Task Manager</li> <li>• Resource Allocator</li> <li>• Document Repository</li> </ul>

Task	
<b>Responsibilities</b> <ul style="list-style-type: none"> <li>• Track completion status</li> <li>• Store task details</li> <li>• Record time spent</li> <li>• Maintain dependency relationships</li> <li>• Generate task reports</li> </ul>	<b>Collaborations</b> <ul style="list-style-type: none"> <li>• Employee</li> <li>• Project</li> <li>• Notification System</li> </ul>

Authentication Service	
<b>Responsibilities</b> <ul style="list-style-type: none"> <li>• Verify user credentials</li> <li>• Manage access tokens</li> <li>• Handle login/logout operations</li> <li>• Implement password policies</li> <li>• Provide security measures (2FA, etc.)</li> </ul>	<b>Collaborations</b> <ul style="list-style-type: none"> <li>• User</li> <li>• Security Service</li> <li>• Audit Logger</li> </ul>

Report Generator	
<b>Responsibilities</b> <ul style="list-style-type: none"> <li>• Create various system reports</li> <li>• Format data for presentation</li> <li>• Schedule recurring reports</li> <li>• Export reports in different formats</li> <li>• Provide data visualization</li> </ul>	<b>Collaborations</b> <ul style="list-style-type: none"> <li>• Department</li> <li>• Project</li> <li>• Task</li> <li>• Employee</li> <li>• Data Repository</li> </ul>

Notification System	
<p><b>Responsibilities</b></p> <ul style="list-style-type: none"> <li>• Send alerts to users</li> <li>• Manage notification preferences</li> <li>• Track notification status</li> <li>• Support various notification channels</li> <li>• Schedule notifications</li> </ul>	<p><b>Collaborations</b></p> <ul style="list-style-type: none"> <li>• User</li> <li>• Task</li> <li>• Project</li> <li>• System Events</li> </ul>

Data Repository	
<p><b>Responsibilities</b></p> <ul style="list-style-type: none"> <li>• Store system data</li> <li>• Provide data access methods</li> <li>• Ensure data integrity</li> <li>• Manage data relationships</li> <li>• Handle data backup and recovery</li> </ul>	<p><b>Collaborations</b></p> <ul style="list-style-type: none"> <li>• All system entities</li> <li>• Report Generator</li> <li>• Security Service</li> </ul>