

# CRC Cards

Account		LoginLog		LoginSystem	
<b>Responsibilities</b> <ul style="list-style-type: none"> <li>Has a username</li> <li>Has a password</li> <li>Has a unique userID</li> <li>Has a login history</li> <li>Can identify itself as an Admin/non-Admin account.</li> </ul>	<b>Collaborations</b> AccountManager	<b>Responsibilities</b> <ul style="list-style-type: none"> <li>Has an associated Date</li> <li>Can be identified as a successful / failed login attempt</li> </ul>	<b>Collaborations</b> LoginHistory	<b>Responsibilities</b> <ul style="list-style-type: none"> <li>Can create a new Account with the help of an AccountManager</li> <li>Can display a login UI, which takes user input to do certain tasks</li> <li>Can log into an Account with the help of an AccountManager</li> </ul>	<b>Collaborations</b> AccountManager
AccountManager		LoginHistory		MainMenu	
<b>Responsibilities</b> <ul style="list-style-type: none"> <li>Has a list of all Accounts</li> <li>Has an Account which is designated to be the active Account</li> <li>Can create a new Account</li> <li>Can create a new Account for admin</li> <li>Can delete non-Admin Accounts</li> <li>Can temporarily ban non-Admin accounts</li> <li>Can match a username to a password</li> </ul>	<b>Collaborations</b> Account LoginHistory	<b>Responsibilities</b> <ul style="list-style-type: none"> <li>Has a map between usernames and their associated login histories</li> <li>Can get the login history of a given username</li> <li>Can add a login event to a username</li> </ul>	<b>Collaborations</b> LoginLog AccountManager	<b>Responsibilities</b> <ul style="list-style-type: none"> <li>Has an active Account</li> <li>Can display a menu UI, which takes user input to do certain tasks</li> <li>Can log out of an Account</li> <li>Admins can delete and ban (temporarily) non admin, and create new Admins with the help of an AccountManager</li> <li>Accounts can display their login history</li> </ul>	<b>Collaborations</b> AccountManager