Class diagram link:

<https://lucid.app/lucidchart/7c18bebd-21ed-4550-b8ac-99e81f35783a/edit?viewport_loc=-580%2C-2149%2C4769%2C1888%2C0_0&invitationId=inv_77e333be-6fd0-4c53-a41e-310fb8fecad4>

activity case diagram:

