PROJECT PLANNING PHASE

PREPARE MILESTONE AND ACTIVITY LIST

Date	30 October 2022
Team ID	PNT2022TMID20643
Project Name	Plasma Donor Application-Cloud Application Development
Maximum Marks	4 Marks

RemainingTask:

MILESTONES	ACTIVITY	DESCRIPTION
Projectdevelopmentphase	DeliveryofSprint-1,2,3,4	To develop the code andsubmitthedevelopthecodeaftercompletionoftesting
Implementing webapplication	Create UI to interactwiththeapplication	CreateUI • registrationpage • loginpage • viewproductspage • addproductspage
	Create IBM DB2andconnectwiththePython	Create an IBM DB2 inthe IBM cloud andconnectitto Python.
Integratingsendgridservice	SendGridintegrationwith thePython	TheSendGridservicesmustbeintegrated in order for theapplicationto sendemails.
Developingachatbot	Buildingachatbotandintegratewith Theapplication	Buildthechatbotand integrateittotheflaskapplication
Deployment ofappinIBMcloud	Containerizetheapp	Createadockerimageoftheapplicationinadditionto pushittotheIBMcontainerregistry
	UploadimagetoIBMcontainerregistry	Upload the image to IBMcontainerregistry
	Deploy in inKubernetescluster	Once the image is uploadedto IBM container registrydeploy the image towardIBMkubernescluster

CompletedTasks:

MILESTONES	ACTIVITY	DESCRIPTION
Ideationphase	Literaturesurvey	Literaturesurveyonthesel ectedproject and informationgathe ring
	Empathymap	Prepare empathy mapto capture the userpainandgains, prepare a list ofproblemstatemen t
	Ideation	Organizingthebrainstor ming sessionand prioritize the topthreeideas basedonfeasibility
Projectdesignphase1	Proposedsolution	Prepare proposedsolution documentwhich includes novelty,feasibilityofideas, businessmodel,socialim pact, scalabilityof solution
	Problemsolutionfit	Prepareproblemsolutionfit documents
	Solutionarchitecture	Preparesolutiona rchitecture document
Projectdesignphase2	Customerjourneymap	Prepare customerjourney map tounderstand the userinteractions andexperience withtheapplication
	Functionalrequirements	Preparefunctionalandno n-functionalnecessity document
	Dataflowdiagram	Preparedataflowdi agram anduserstories
	Technologyarchitecture	Draw technologyarchitecturediag ram

	Sprintdeliveryplan	Preparespringdelivery plan
Setting-up appenvironment	CreateIBMcloud account	SignupIBMcloudaccount
	Createflaskproject	Gettingstartedwiththeflasktocreateproject
	InstallIBMcloudcli	InstallIBMcommandlineinterface(CLI)
	DockerCLIinstallation	InstallingdockerCLI