

Project Planning Phase (Milestone and Activity List)

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| Date | 21 st November 2022 |
| TeamID | PNT2022TMID25323 |
| ProjectName | Inventory Management System for Retailers |

ActivityList:

| Activity Number | ActivityName | DetailedActivityDescription | AssignedTo | Duration(Start toEndDate) | Status |
|-------------------------------------|--------------------------------------|---|--|----------------------------|-----------|
| 1 | Create FlaskProject | An application Framework written in Python | David Nixon Raj, Jenish, John Wesley, Hemanth Kumar, Anish Aaron | - | Completed |
| 2 | Create IBM Cloud | Create and log into IBM Cloud | David Nixon Raj, Jenish, John Wesley, Hemanth Kumar, Anish Aaron | - | Completed |
| 3 | Install IBMCloud CLI | General-Purpose developer tool that provides access to your IBM Cloud Account | David Nixon Raj | - | Completed |
| 4 | DockerCLI | Use Docker CLI configuration to Customize settings | David Nixon Raj | 24 Oct 2022 to 29 Oct 2022 | Completed |
| 5 | CreateAccount in SendGrid | Create account in SendGrid to send Mails | David Nixon Raj | 31 Oct 2022 to 5 Nov 2022 | Completed |
| IMPLEMENTING WEB APPLICATION | | | | | |
| 6 | Create UI toInteractwith Application | Pages such as Registration, Login page,Displaying items etc. | David Nixon Raj | 07 Nov 2022 to 12 Nov 2022 | Completed |

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|--------------------------------|--|--|------------------------------|------------------------|-----------|
| 7 | Create IBM Db2 service in IBM Cloud and connect with python code using DB. | Jenish, David Nixon Raj | 07Nov2022 to 12Nov2022 | Completed | |
| INTEGRATING SENDGRID SERVICES | | | | | |
| 8 | SendGridIntegration with Python Code | To send emails from the applications we need to integrate the SendGrid Service. | John Wesley, David Nixon Raj | 07Nov2022 to 12Nov2022 | Completed |
| DEPLOYMENT OF APP IN IBM CLOUD | | | | | |
| 9 | Containerize the App | Need to create Docker Image of the application and push into the IBM Container Registry | Jenish, David Nixon Raj | 07Nov2022 to 12Nov2022 | Completed |
| 10 | Upload Image to IBM Container Registry | Upload the Image to IBM Container Registry | David Nixon Raj | 14Nov2022 to 19Nov2022 | Completed |
| 11 | Deploy in Kubernetes Cluster | Once the image is uploaded the IBM Container registry deploy the image to IBM Kubernetes Cluster | John Wesley, David Nixon Raj | 14Nov2022 to 19Nov2022 | Completed |