

MILESTONE AND ACTIVITY LIST

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| DATE | 27 October 2022 |
| TEAM ID | PNT2022TMID53307 |
| PROJECT NAME | Inventory Management System for Retailers |
| MAXIMUM MARKS | 4 Marks |

MILESTONE

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| Setting up the application environment | M-01 | Setting up the needed resources in the local machine |
| Integrating send grid service | M-02 | To send emails from the application, we need to integrate the SendGrid Service. |
| Deployment of the app in IBM Cloud | M-03 | Containerize a Flask application by using Docker and deploy it to the IBM Cloud Kubernetes Service |
| Ideation Phase | M-04 | Collecting information by referring to previous research on a topic and Prepare Literature Survey on the selected Project and Information Gathering, empathy map and ideation |
| Project Design Phase - I | M-05 | Prepare the proposed solution, the problem-solution fit, and the Solution Architecture. |
| Project Design Phase - II | M-06 | Create a customer journey, functional requirements, a data flow diagram, and a technology architecture |
| Project Planning Phase | M-07 | Make a list of milestones, an activity list, and a sprint delivery plan. |
| Project Development Phase | M-08 | Develop and submit Sprint 1,Sprint 2,Sprint 3 and Sprint 4 |

ACTIVITY LIST

| Activity Number | Activity | Sub Activity | Assigned To | Status |
|-----------------|------------------------------------|---|-------------|-------------|
| 1. | Setting up Application Environment | <ul style="list-style-type: none"> • Create Flask Project • Create IBM Cloud Account • Install IBM Cloud CLI • Docker CLI Installation • Create An Account In Sendgrid | All Members | In Progress |
| 2. | Implementing Web Application | <ul style="list-style-type: none"> • Create UI To Interact With Application | All Members | In Progress |
| 3. | Integrating SendGrid Service | <ul style="list-style-type: none"> • SendGrid Integration With Python Code | All Members | In Progress |
| 4. | Deployment of App In IBM Cloud | <ul style="list-style-type: none"> • Containerize The App • Upload Image To IBM Container Registry • Deploy in Kubernetes | All Members | In Progress |
| 5. | Ideation Phase | <ul style="list-style-type: none"> • Literature Survey On The Selected Project & Information Gathering • Prepare Empathy Map • Ideation | All Members | Completed |
| 6. | Project Design Phase – I | <ul style="list-style-type: none"> • Proposed Solution • Problem Solution Fit • Solution Architecture | All Members | Completed |
| 7. | Project Planning Phase | <ul style="list-style-type: none"> • Prepare Milestone & Activity List • Sprint Delivery Plan | All Members | Completed |
| 8. | Project Development Phase | <ul style="list-style-type: none"> • Delivery Of Sprint-1 • Delivery Of Sprint-2 • Delivery Of Sprint-3 • Delivery Of Sprint-4 | All Members | Completed |