Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

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| Date | 21 October 2022 |
| Team ID | PNT2022TMID23493 |
| Project Name | Personal Expense Tracker Application |
| Maximum Marks | 8 Marks |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

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| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Login Page Template | USN-1 | As a user, I can use the login page for login purpose | 1 | Low | B. Hariharan |
| Signup page Template | USN -2 | As a user, I can use the login page for login purpose | 1 | Low | S. Sharukh kumar |
| Forget Password Template | USN-3 | As a user, I can use the forget password page for login purpose | 1 | Low | S. Sedhuraman |
| Forget Password and verification page Template | USN-4 | As a user, I can verify the password that I have changed | 1 | Medium | C Ravichandran |
| Add income page Template | USN-5 | As a user, I can view my income page | 2 | High | B. Hariharan |
| Add expense Page Template | USN-6 | As a user, I can add my expenses in the expense page | 2 | High | C. Ravichandran |

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|  | Dashboard Page Template | USN-7 | As a user, I can view the overall statistics of mu expense using dashboard page | 1 | Medium | S. Sharukh kumar |
| Add Budget Limit | USN-8 | As a user, I can set the budget limit in the dashboard page | 1 | Low | C. Ravichandran |
| Sprint-2 | Database Model | USN-9 | Creating a database model by using SQL Lite | 2 | High | S. Sedhuraman |
| Setting up IBM DB2 | USN-10 | Creating and setting up the IBM DB2 Databases | 2 | High | B. Hariharan |
| Set up IBM DB2 in flask | USN-11 | Installing and setting up the necessary tools in the flask app | 2 | High | S. Sharukh kumar |
| Integrating IBM DB2 | USN-12 | Integrating IBM DB2 with python flask API | 2 | High | S. Sedhuraman |
| Sending data in UI | USN-13 | Sending and connecting API request response data with UI | 2 | High | C. Ravichandran |
| Sprint-3 | IBM Watson Assistant | USN-14 | Creating IBM Watson Assistant for chatbot service to the user | 2 | Medium | S. Sharukh kumar |
| Setting UP SendGrid | USN-15 | Creating SendGrid Account and Setting up the necessary libraries in the flask app | 1 | Medium | B. Hariharan |
| Integrating SendGrid | USN-16 | By Integrating SendGrid service you can to receive E-Mails with the python flask | 1 | Medium | C. Ravichandran |
| Integrating chantJS | USN-17 | By Integrating chantJS in the dashboard the user can overview their expense | 2 | Medium | S. Sedhuraman |
| Sprint-4 | Containerizing App | USN-18 | Containerizing the flask application into a docker container usage | 2 | Medium | B. Hariharan |
| Uploading to IBM cloud registry | USN-19 | Uploading the docker container image to IBM cloud registry is useful in deployment | 2 | Medium | S. Sharukh kumar |
| Deploying in kubemetes | USN-20 | Deploying the docker container image from the kubemetes | 2 | High | S. Sedhuraman |