

Project Planning Phase

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

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|---------------|------------------------|
| Date | 03 October 2022 |
| Team ID | PNT2022TMID03812 |
| Project Name | Web Phishing Detection |
| Maximum Marks | 8 Marks |

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

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|----------|-------------------------------|-------------------|--|--------------|----------|------------------|
| Sprint-1 | User input | USN-1 | User inputs an URL in the required field to check its validation. | 1 | Medium | Abdul Hameed S |
| Sprint-1 | Website Comparison | USN-2 | Model compares the websites | 1 | High | Aravind S |
| Sprint-2 | Feature Extraction | USN-3 | After comparison, if none found on comparison then it extract feature using heuristic and visual similarity. | 2 | High | Avinash M |
| Sprint-2 | Prediction | USN-4 | Model predicts the URL using Machine learning algorithms such as logistic Regression, Random Forest, KNN etc | 1 | Medium | Sarevsh Priyan S |
| Sprint-3 | Classifier | USN-5 | Model sends all the output to the classifier and produces the final result. | 1 | Medium | Avinash M |
| Sprint-4 | Announcement | USN-6 | Model then displays whether the website is legal site or a phishing site. | 1 | High | Ragul V B |
| Sprint-4 | Events | USN-7 | This model needs the capability of retrieving and displaying accurate result for a website. | 1 | High | Abdul hameed S |

Prepare Milestone & Activity List

The screenshots show the IBM Project 16931-16962 interface, specifically the 'Assign Roles & Responsibilities to Team' section. The interface includes a sidebar with navigation options like Profile, Dashboard, Projects, Change Password, Support, Orientation Sessions, Training Calendar, Assignment & Quiz, and Ask Me Anything Sessions. The main content area displays a table of project milestones and activities, with team members assigned to each. A note at the top states: "Note: Request you to please click on 'Tick mark' after assigning the activities for each milestone." A green button labeled 'Proceed to Workspace' is also visible.

Table 1: Assign Roles & Responsibilities to Team

| Milestone | Activity | Assigned Team Members | Status |
|--------------------------|---------------------------|--|--------|
| Project Objectives | Select Activities | * Sarvesh Priyan, * Abdul | ✓ |
| Prior Knowledge | Select Activities | * Ragul, * Avinash, * Aravind, * Sarvesh Priyan, * Abdul | ✓ |
| Project Flow | Select Activities | * Ragul, * Avinash | ✓ |
| Pre-requisites | Select Activities | * Ragul, * Avinash, * Aravind, * Sarvesh Priyan, * Abdul | ✓ |
| Project folder structure | Select Activities | * Aravind | ✓ |
| Collection of Dataset | Download the dataset | * Abdul | ✓ |
| Data pre-processing | Import required libraries | * Avinash | ✓ |

Table 2: Project Design Phase - II

| Milestone | Activity | Assigned Team Members | Status |
|---------------------------|-------------------------|--|--------|
| Project Design Phase - II | Functional Requirement | * Ragul, * Avinash, * Aravind, * Sarvesh Priyan, * Abdul | ✓ |
| Project Design Phase - II | Data Flow Diagrams | * Ragul, * Avinash, * Aravind, * Sarvesh Priyan, * Abdul | ✓ |
| Project Design Phase - II | Technology Architecture | * Ragul, * Avinash, * Aravind, * Sarvesh Priyan, * Abdul | ✓ |

Table 3: Project Planning Phase

| Milestone | Activity | Assigned Team Members | Status |
|------------------------|-----------------------------------|--|--------|
| Project Planning Phase | Prepare Milestone & Activity List | * Ragul, * Avinash, * Aravind, * Sarvesh Priyan, * Abdul | ✓ |
| Project Planning Phase | Sprint Delivery Plan | * Ragul, * Avinash, * Aravind, * Sarvesh Priyan, * Abdul | ✓ |

Table 4: Project Development Phase

| Milestone | Activity | Assigned Team Members | Status |
|---------------------------|---|--|--------|
| Project Development Phase | Project Development - Delivery of Sprint- | * Ragul, * Avinash, * Aravind, * Sarvesh Priyan, * Abdul | ✓ |
| Project Development Phase | Project Development - Delivery of Sprint- | * Ragul, * Avinash, * Aravind, * Sarvesh Priyan, * Abdul | ✓ |
| Project Development Phase | Project Development - Delivery of Sprint- | * Ragul, * Avinash, * Aravind, * Sarvesh Priyan, * Abdul | ✓ |

Table 5: Project Design Phase - I

| Milestone | Activity | Assigned Team Members | Status |
|---------------------------|-----------------------|--|--------|
| Project Design Phase - I | Proposed Solution | * Ragul, * Avinash, * Aravind, * Sarvesh Priyan, * Abdul | ✓ |
| Project Design Phase - I | Problem Solution Fit | * Ragul, * Avinash, * Aravind, * Sarvesh Priyan, * Abdul | ✓ |
| Project Design Phase - I | Solution Architecture | * Ragul, * Avinash, * Aravind, * Sarvesh Priyan, * Abdul | ✓ |
| Project Design Phase - II | Customer Journey | * Ragul, * Avinash, * Aravind, * Sarvesh Priyan, * Abdul | ✓ |

| Name | Milestone Number | Description | Mandatory | Optional |
|---------------------------|------------------|---|-----------|----------|
| Project Objectives | M-001 | To create an model which will predict the URL entered is phishing website or not | Yes | - |
| Project Flow | M-002 | A project management process flowchart is a graphical aid, designed to visualize the sequence of steps to be followed throughout the project management process | Yes | |
| Pre-Requisites | M-003 | To complete this project we should have known following project such as numpy, pandas, Python, Anaconda, Machine learning, Flask, IBM cloud etc... | Yes | |
| Prior Knowledge | M-004 | One should have knowledge on the Supervised Learning, Regression Classification and Clustering, Flask | Yes | |
| Data collection | M-005 | Collect the dataset with the link provided | Yes | |
| Data Preprocessing | M-006 | Clean the dataset and importing required libraries, splitting train & test data which are useful to build the model | Yes | |
| Model Building | M-007 | Importing the model building libraries, Initializing the model, Linear Regression, Classification algorithms, Configuring the learning Process ,Train the model, Save the model, Predictions. | Yes | |
| Application Building | M-008 | Integrating the built model with flask, creating the website and testing it. . | Yes | |
| Train the model | M-009 | Register for IBM Cloud and train the model. Also checking its end scoring point | Yes | |
| Ideation Phase | M-010 | Prepare Literature Survey on the selected Project and Information Gathering, empathy map and ideation | Yes | |
| Project Design Phase-I | M-011 | Prepare Proposed solution, problem-solution fit and SolutionArchitecture | Yes | |
| Project Design Phase-II | M-012 | Prepare Customer journey, functional requirements, Data flow diagram and Technology Architecture | Yes | |
| Project Planning Phase | M-013 | Prepare Milestone list, Activity list and Sprint Delivery Plan | Yes | |
| Project Development Phase | M-014 | Project Development delivery of Sprint 1, Sprint 2, Sprint 3, Sprint 4 | Yes | |