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| **PROJECT DESIGN PHASE 2**    **FUNCTIONAL REQUIREMENTS**     |  |  | | --- | --- | | DATE: | 15/10/2022 | | TEAM ID: | PNT2022TMID51470 | | TEAM MEMBERS: | 05 | | PROJECT NAME: | WEB PHISHING DETECTION |       **FUNCTIONAL REQUIREMENTS:**           |  |  |  | | --- | --- | --- | | **FR No.** | **Functional**  **Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** | | FR-1 | User Input | User give an URL as an user input to check for validation of the given URL. | | FR-2 | Website Comparison | Website is compared as a part of validation with the help of the DNS. | | FR-3 | Feature extraction | After comparing, if none found on comparison then it extracts feature using heuristic and visual similarity approach. | | FR-4 | Prediction | Model predicts the URL using Machine  Learning algorithms such as Random forest, Logistic Regression, KNN | | FR-5 | Classifier | Model sends all output to classifier and classification is done to produce the final result. | | FR-6 | Announcement | Model then displays whether website is a legal site or a phishing site. | | FR-7 | Events | This model needs the capability of retrieving and displaying accurate result for a website | |