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| **ProjectDesignPhase-II**  **DataFlowDiagram&UserStories**   |  |  | | --- | --- | | **Date** | **15October2022** | | **TeamID** | **PNT2022TMID42057** | | **ProjectName** | **CarResaleValuePrediction** | | **MaximumMarks** | **4Marks** |   **DataFlowDiagrams:**  Adataflowdiagram(DFD)isavisualrepresentationoftheinformationflowthroughaprocessorsystem.DFDshelpyoubetterunderstandprocessorsystemoperationtodiscoverpotentialproblems,improveefficiency,anddevelopbetterprocesses.Itdemonstrateswheredataisstored,howitentersandleavesthesystem,andwhatmodifiesthedata. |

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| |  | | --- | | Signup |  |  | | --- | | Login |  |  | | --- | | Redirectingtothehomepage |  |  | | --- | | Database |  |  | | --- | | Evaluatingthedata |  |  | | --- | | Storingthe  data |  |  | | --- | | Enterthedetail |  |  | | --- | | Data  Processing |  |  | | --- | | Trainingthedata |  |  | | --- | | Testingthedata |  |  | | --- | | User |   Valid   |  | | --- | | Redirectingto  thevalue  predictionpage |  |  | | --- | | Displayingthepredictedvalue |  |  | | --- | | Collectingthedataset |   Using   |  | | --- | | Randomforestregressor  algorithm | |

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| **UserStories:**   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **UserType** | **Functional**  **Requirement**  **(Epic)** | **UserStoryNumber** | **UserStory/Task** | **Acceptancecriteria** | **Priority** | **Release** | | Userinwebsite | Registration | USN-1 | Usercansignupfortheapplicationby  providingusername,emailaddress,  passwordandconfirmationpassword,Phonenumber. | Accountspecifictasksandactioncanbeperformed | High | Sprint-1 | |  |  | USN-2 | Onceauserregistersfortheapplication,theywillreceiveaconfirmationemail. | Verifytheregistered  account. | High | Sprint-1 | |  |  | USN-3 | Gmailcanbeusedtovalidatetheuserdirectly. | Accountvalidatedandgotaccesstodashboard | Medium | Sprint-1 | |  | Login | USN-4 | Tologintotheapplication,enter  theusernameandpassword. | Rightaccountcredentialsshouldbeentered | High | Sprint-1 | |  | Dashboard | USN-5 | Usercanviewthewebsitedetails. |  | Medium | Sprint-2 | |  |  | USN-6 | Usercanviewtheaccountdetailsandhistory | Usershouldbeverified. | High | Sprint-2 | |  |  | USN-7 | Usercangivethefeedbackontheuserinterfaceandtheprediction'saccuracy. |  | High | Sprint-2 | | Core  development  team | Corefunction | USN-8 | Theoptimaluserinterfaceshouldbeusedtodesignanddeveloptheapplication,and  maintenanceshouldbeconsidered  carefully. | Easyandself-  understandableuser  interface. | High | Sprint-3 | |  |  | USN-9 | Thewebsiteshouldberesponsivetoalldevicesandscreensizes. | Userexperienceshouldbe  goodresponsiveofthedevice. | Medium | Sprint-3 | |  |  | USN-10 | Collectthedatasetandprocessthedata |  | High | Sprint-3 | | Userinwebsite | Enterthedetail  aboutcar | USN-8 | Usershouldenterthecar’sinformation. | Entereddatashouldbecorrect | High | Sprint-4 | |  |  | USN-11 | Usercanviewthepredictionvalue. |  | High | Sprint-4 | |