API Doc

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| Index | HTTP method | Input | Output | Description | API ROUTE | Public Method |
| 1 | POST | {  email: str,  password: str  } | {  “user”: {  "name": string,  "distanceToNPC": int,  "overallScore":int,  "containBonus": bool},  “token”: string  } | User can login. If the user account is authenticated successfully, it will return account details of the user. | api/login/ | class LoginAPI (String account, String password) {  return  [  "name": string,  "distanceToNPC": int,  "overallScore":int,  "Ranking": int,  "containBonus": bool]  } |
| 2 | POST | {  course: int  world: string,  section: str,  role: int,  questionLevel: int  }  course: 1 (software), 2(math)  world: 1(world1), 2(world2)….... 5(world5)  section: 1(section1), 2(section2), 3(section3)  role:1(project manager), 2(frontend), 3(backend)  questionLevel: 1,2,3(there are three different levels for each section, level 1 is MCQ, level 2 and 3 are blank fill questions) | [{  questionId: str,  isMCQ: bool,  questionBody: str,  questionAns : [{  questiontext: string  isCorrect : bool  },  ]  }  ] | Return List of questions and question’s answer choices based on world, section, role and question level. | api/questions | class questionAPI (Int course, Int world, Int section, Int role, int questionLevel) {  return  [{  questionId: str,  isMCQ: bool,  questionBody: str,  questionAns : [{  questiontext: string  isCorrect : bool  },  ]  }  } |
| 3 | POST | {  world:str,  section:str,  questionID  studentID:int,  studentAnswer: str,  isAnsweredCorrect: bool，  pointGain: int  } | {  pass: bool } | To submit the answer for a question during gaming after each section. | api/questions\_sub | class questionAPI (String world, String section, int questionId , int studentId ,String student answer) {  Return  [{pass: bool}]  } |
| 4 | GET |  | {  [  {  playerName: str,  overallScore: float,  containBonus: bool  }  ]  } | Get the leaderboard statistics for displaying of the leaderboard | api/leaderBoard | class LeaderBoardAPI(){  return  [  {  [  {  playerName: str,  overallScore: float,  containBonus: bool  }  ]  }  ] |
| 5 | POST | {  Prosper: str  isMCQ: bool,  questionBody: str,  questionAns : [{  questiontext: string  isCorrect : bool  },  ]  } | {  submitted: bool,  } | A student uses this API to submit a new question for approval | api/questions/create | Class CreateQuestionAPI( String Prosper, String isMCQ, String questionBody , List questionAns){  return  [  {  submitted: bool,  }  ]  } |
| 6 | GET | {  email: str  } | {  email: str  overallScore: float,  questionHistory: [  {  world: str  section: str  questionLevel : int  value: str  },  {  world: str  section: str  questionLevel : int  value: str  },  {  world: str  section: str  questionLevel : int  value: str  },  ]  }  Example  value: 1 / 5  Number of Correct Ans = 1  Total question = 5 | Get game summary in the scene Victory ending. | api/gameSummary | Class GameSummary(String account) {  return  [  {  email: str  overallScore: float,  questionHistory: [  {  world: str  section: str  questionLevel : int  value: str  },  {  world: str  section: str  questionLevel : int  value: str  },  {  world: str  section: str  questionLevel : int  value: str  },  ]  }  ] |

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| 1 | {  "email": "[student@gmail.com](mailto:student@gmail.com)",  "password": "password"  } | {  "user": {  "id": 2,  "email": "[student@gmail.com](mailto:student@gmail.com)",  "name": "student",  "distanceToNPC": 0,  "overallScore": 0,  "containBonus": **false**,  "role": "Student"  },  "token": "0575f5150f0205b78078ceabea472c8bd4a21d44"  } |
| 2 |  | [  {  "id": 1,  "questionBody": "1 + 1 = ?",  "isMCQ": **true**,  "questionAns": [  {  "questionText": "1",  "isCorrect": **false**  },  {  "questionText": "2",  "isCorrect": **true**  },  {  "questionText": "3",  "isCorrect": **false**  },  {  "questionText": "4",  "isCorrect": **false**  }  ]  },  {  "id": 2,  "questionBody": "2 + 2 = ?",  "isMCQ": **true**,  "questionAns": [  {  "questionText": "2",  "isCorrect": **false**  },  {  "questionText": "4",  "isCorrect": **true**  },  {  "questionText": "5",  "isCorrect": **false**  },  {  "questionText": "6",  "isCorrect": **false**  }  ]  },  {  "id": 3,  "questionBody": "10 \* 10 = ?",  "isMCQ": **true**,  "questionAns": [  {  "questionText": "100",  "isCorrect": **true**  },  {  "questionText": "2",  "isCorrect": **false**  },  {  "questionText": "4",  "isCorrect": **false**  },  {  "questionText": "5",  "isCorrect": **false**  }  ]  }  ] |
| 2 | {  "world": "World 1" ,  "section": "Section 1",  "role": "Student" ,  "questionLevel": 1  } | [  {  "id": 1,  "questionBody": "1 + 1 = ?",  "isMCQ": **true**,  "questionAns": [  {  "questionText": "1",  "isCorrect": **false**  },  {  "questionText": "2",  "isCorrect": **true**  },  {  "questionText": "3",  "isCorrect": **false**  },  {  "questionText": "4",  "isCorrect": **false**  }  ]  },  {  "id": 2,  "questionBody": "2 + 2 = ?",  "isMCQ": **true**,  "questionAns": [  {  "questionText": "2",  "isCorrect": **false**  },  {  "questionText": "4",  "isCorrect": **true**  },  {  "questionText": "5",  "isCorrect": **false**  },  {  "questionText": "6",  "isCorrect": **false**  }  ]  }  ] |
| 3 | {  "world":"1",  "section":"1",  "questionID": 1,  "studentID":2,  "studentAnswer": “1”,  "isAnsweredCorrect": **true**  } | {  "pass": **true**  } |
| 4 |  | [  {  "name": "Student",  "overallScore": 0  }  ] |
| 5 | {  "Proposer": "[student@gmail.com](mailto:student@gmail.com)" ,  "isMCQ": **true**,  "questionBody": "10\*10 = ?",    "questionAns" : [  {  "questionText": 1,  "isCorrect" : **false**  },  {  "questionText": 10,  "isCorrect" : **false**  },  {  "questionText": 10,  "isCorrect" : **false**  },  {  "questionText": 100,  "isCorrect" : **true**  }  ] } | {  "submitted": **true**  } |
| 6 | {  "email": "[student@gmail.com](mailto:student@gmail.com)"  } | {  "email": "[student@gmail.com](mailto:student@gmail.com)",  "overallScore": 0,  "questionHistory": [  {  "world": "1",  "section": "1",  "questionLevel": 1,  "value": "1 / 2"  },  {  "world": "2",  "section": "2",  "questionLevel": 2,  "value": "1 / 1"  }  ]  } |