**PROJECT NAME:IR-SEE**

**GROUP MEMBERS: Zühre Bezir - Defne Yılmaz - Alper Arsoy - Mert Kara – Ömer Gökberk Gök - Burak Şafak**

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| LIKELIHOOD RANK | RISK  DESCRIPTION |
| 1 | **Design Complexity**: The varying nature of exercise modules, user preferences, language options, and personalized progress tracking introduces a significant design complexity risk |
| 2 | **Requirements volatility**: The project's requirements may change over time as new user needs are identified which could affect the scope and design of the platform |
| 3 | **Testing**: Due to the adaptive nature of exercises and the need for personalized recommendations, testing all possible scenarios may be complex |
| 4 | **Debugging**: Advanced functionalities like eye tracking and performance metrics increase the complexity of identifying and fixing defects. |
| 5 | **User data security and privacy**: Creating user accounts and storing sensitive data, such as personal health information, heighten security risks, especially focused on user authentication and profile management |
| 6 | **System performance and scalability**: The platform must handle heavy user load and a growing number of exercises, making performance a significant risk |
| 7 | **User accessibility and inclusivity**: Ensuring the platform is accessible to all users, including those with disabilities, is a risk that has legal and ethical implications |
| 8 | **User interface intuitiveness**: The platform must be intuitive for users of all ages and skill levels, which can be challenging given the range of functionalities |
| 9 | **Multi-language support**: Offering content and UI in multiple languages increases the complexity of development and maintenance |
| 10 | **System reliability**: Ensuring minimal downtime and robust error handling is crucial, especially for a platform that sends daily reminders and tracks progress in real-time |
| 11 | **Compliance with regulations**: As the platform handles personal data and potentially operates in multiple regions, compliance is a significant risk |

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| IMPACT  RANK | RISK  DESCRIPTION |
| 1 | **User data security and privacy**: Advanced functionalities like eye tracking and performance metrics increase the complexity of identifying and fixing defects. |
| 2 | **Compliance with regulations**: As the platform handles personal data and potentially operates in multiple regions, compliance is a significant risk (Non-Functional |
| 3 | **System performance and scalability**: The platform must handle heavy user load and a growing number of exercises, making performance a significant risk |
| 4 | **Design Complexity**: The varying nature of exercise modules, user preferences, language options, and personalized progress tracking introduces a significant design complexity risk |
| 5 | **System reliability**: The platform must handle heavy user load and a growing number of exercises, making performance a significant risk |
| 6 | **Testing**: Due to the adaptive nature of exercises and the need for personalized recommendations, testing all possible scenarios may be complex |
| 7 | **Requirements volatility:** The project's requirements may change over time as new user needs are identified which could affect the scope and design of the platform |
| 8 | **User accessibility and inclusivity**: Not addressing this could limit market reach and potentially result in legal issues due to non-compliance with accessibility laws |
| 9 | **Multi-language support**: Offering content and UI in multiple languages increases the complexity of development and maintenance |
| 10 | **Debugging**: Advanced functionalities like eye tracking and performance metrics increase the complexity of identifying and fixing defects. |
| 11 | **User interface intuitiveness**: The platform must be intuitive for users of all ages and skill levels, which can be challenging given the range of functionalities |

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| LIKELIHOOD RANK | IMPACT RANK | COMBINED RANK | RISK  DESCRIPTION |
| 1 | 4 | 5 | **Design Complexity**: The varying nature of exercise modules, user preferences, language options, and personalized progress tracking introduces a significant design complexity risk |
| 5 | 3 | 8 | **System performance and scalability:** The platform must handle heavy user load and a growing number of exercises, making performance a significant risk |
| 8 | 1 | 9 | **User data security and privacy**: Advanced functionalities like eye tracking and performance metrics increase the complexity of identifying and fixing defects. |
| 2 | 7 | 9 | **Requirements volatility**: The project's requirements may change over time as new user needs are identified which could affect the scope and design of the platform |
| 3 | 6 | 9 | **Testing**: Due to the adaptive nature of exercises and the need for personalized recommendations, testing all possible scenarios may be complex |
| 11 | 2 | 13 | **Compliance with regulations**: As the platform handles personal data and potentially operates in multiple regions, compliance is a significant risk |
| 10 | 5 | 15 | **System reliability**: Ensuring minimal downtime and robust error handling is crucial, especially for a platform that sends daily reminders and tracks progress in real-time |
| 4 | 11 | 15 | **User interface intuitiveness**: The platform must be intuitive for users of all ages and skill levels, which can be challenging given the range of functionalities |
| 7 | 9 | 16 | **Multi-language support**: Offering content and UI in multiple languages increases the complexity of development and maintenance |
| 6 | 10 | 16 | **Debugging**: Advanced functionalities like eye tracking and performance metrics increase the complexity of identifying and fixing defects. |
| 9 | 8 | 17 | **User accessibility and inclusivity**: Ensuring the platform is accessible to all users, including those with disabilities, is a risk that has legal and ethical implications |