

Project Planning Document:

Personality Test App

Project Overview:

The Personality Test App aims to create an interactive application that allows users to take a personality test, answer a series of questions, and receive a personalized result based on psychological traits such as extraversion, agreeableness, conscientiousness, and openness. The application will be designed with a user-friendly interface, utilizing a graphical user interface (GUI) for ease of interaction.

Project Goals:

User Engagement: Create an engaging and intuitive user interface for a positive user experience.

Questionnaire: Develop a set of thought-provoking questions to assess personality traits accurately.

Result Calculation: Implement algorithms to calculate personality traits based on user responses.

Required Resources:

Development Tools:

Java Development Kit (JDK)

Integrated Development Environment (IDE) such as IntelliJ or Netbeans

JavaFX for GUI development

Libraries/Frameworks:

JavaFX for GUI components

External libraries for pop-up functionality

Design Resources:

Graphic design tools for creating visual elements

Color scheme selection for a visually appealing interface

Testing Resources:

Test cases to ensure the accuracy of personality trait calculations

User acceptance testing for overall functionality

Utilize Junit to test component

Stakeholder Analysis

Identification of Stakeholders

Development Team: Developers, designers, and QA engineers.

Users: Individuals interested in personality testing.

Management: Project managers, team leads, and organizational leadership.

Investors: Financial stakeholders supporting the project.

Psychologists: Professionals providing insights into personality traits.

Users: The users/customers who will use the app.

Documentation:

User manual for guiding users through the test

Code documentation for future maintenance

Timeline:

Day 1-2: Planning and Requirements

Define project requirements and specifications

Gathering requirements which includes User, Software, System and Non-Functional Req.

Day 3-5: Design and Implementation

Design the user interface and questionnaire

Set up the development environment

Develop the front-end using JavaFX

Implement the back-end logic for questionnaire and result calculation

Day 6-7: Testing

Conduct thorough testing, including user acceptance testing

Day 8-9: Documentation and Refinement

Document the code, functionalities, and user manual

Refine the user interface based on feedback

Conclusion:

The Personality Test App project aims to provide users with an engaging and insightful experience while assessing their personality traits. By following the outlined plan, leveraging appropriate resources, and addressing potential risks, the project is expected to be successfully delivered within the specified timeline.