OVERVIEW

Requirement

The deliverable should be completed the implementation for below listed items.

- Personality Test Maintenance Component
- Personality Test Component
- Joke Delivery Service
- Data Storage

Personality Test Maintenance Component

It is a web component which should contains a set of web pages which allow **administrator** to maintain the personality test questions such as browsing items, creating new items, updating/deleting existing items.

Personality Test Component (Sample ref. in appx.)

It is a web component which should contains a set of web pages which allow **end-user** to perform the personality test, present the test result to the user. The test result will be stored in database.

When user logged into Facebook, the page should be redirecting to *oneoneday* homepage and offering the test to user. The personality test involves 20 questions which are retrieving personality test items/questions from database.

End-user should see 1 question only each time. User is allowed to read other questions. After user has picked the answer for that question, next question will be displayed to user until all 20 questions has been answered. When the test is completed, test result will be shown and stored in database.

Joke Delivery Service

It is a web service which automatically delivers a joke to registered Facebook users everyday at random time, and collects their reactions (e.g. "Like", "Love", "Haha", "Wow", "Sad", "Angry") from user and stores in database. Jokes will be delivered through private messages. Every joke should be retrieved from joke dataset in database.

Datasets

All data including type of personality test, personality test data pool, result of personality test, joke, reaction of joke, and user profile should be stored in database.

Datasets	Description
Type of Personality Test	It stores test categories, such as short personality test, fully personality test, presenting by an unique key, descriptions.
Personality Test Data Pool	It stores some questions for personality test. Each question should have an unique key, its descriptions, and an indicator (positive/negative).
Personality Test Result	It stores result for personality test. The result is representing scores, user identifier, question identifier, test category identifier.
User Profile	It stores user information such as user's ID, name, etc.
Joke	It stores jokes such as identifier, joke content.
Joke Reaction	It stores the reactions when user reacted with the joke message. Each reaction is linking with the user and the joke.

APPENDIX

3320 IPIP Items
- url: http://ipip.ori.org/AlphabeticalItemList.htm

Personality Test
- https://discovermyprofile.com/tag/Personality

Short Personality Test
- https://discovermyprofile.com/miniIPIP.html