

Architecture v3

Link for editing technical architecture diagram: https://drive.google.com/file/d/1AXu5u_94meQuYplSyS3iyY8UvshsKmYs/view?usp=sharing

Link for editing other the diagrams: <https://drive.google.com/file/d/1C1lnHlrkFOfdk7ucowFNeZalvvULnjoL/view?usp=sharing>

Previous version: [Architecture v2](#) the changed detials are in the description

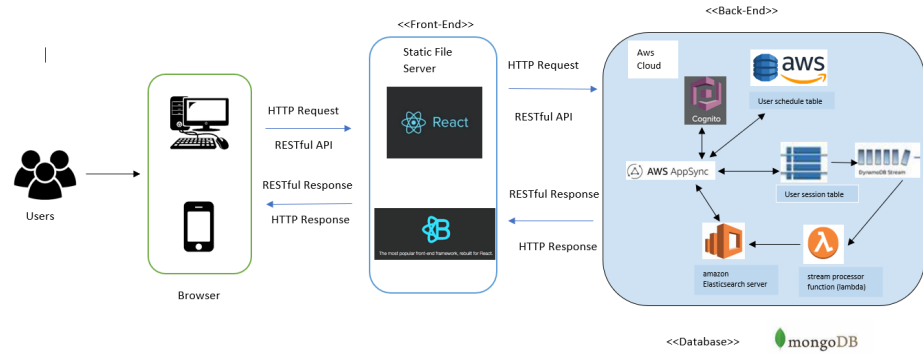
Key Architcture Requirements Design:

- The functioanl architecture : shows the main funcional will be implemented of the website , and which type of user will handle this function
- The component architecture diagram: shows the componet that construct the website and their relationships
- The technology architecture digram: shows the techs will be used in the project with the simple explanation, and their workflow (intereaction details in sequence diagram, link : [Sequence Diagram](#) and use case diagram, link : [Use Case Diagram](#)) and their relationships.

Diagram ID	Diagram Name	Diagram
DI10001	Functional architecture diagram	<div><div>Visual Paradigm Online Diagrams Express Edition</div><div><div>IDecide Website System</div><div><div>Client Module</div><div><div>Questionnaire Management</div><div>Questionnaire & Survey Delete and Add Page</div><div>Modify questionnaire Page</div><div>Action Plan Editing Page</div><div>Survey Result Management</div><div>Result Data Display Page</div><div>Export Result Page</div><div>General Display</div><div>Questionnaire & survey Page</div><div>Home Page</div><div>Other Resources Page</div><div>Personal Survey</div><div>Questionnaire History Page</div><div>Questionnaire Editing Page</div><div>Action Plan Page</div><div>Export Result Page</div><div>Personal Account</div><div>Sign Up Page</div><div>Sign In Page</div><div>Account Editing Page</div><div>Administrator</div><div>User</div></div><div><div>Server Module</div><div><div>Account System</div><div>Questionnaire & Survey System</div><div>Result Analysis & Action Plan generation Subsystem</div><div>Questionnaire & Survey Management Subsystem</div><div>Database Interface</div><div>Database</div></div></div></div></div><div><div>Visual Paradigm Online Diagrams Express Edition</div></div></div> <p>The functional architecture diagram shows the functions of the system which is composed of the client module and server module.</p> <p>The functions of admin in the website mainly include:</p> <ul style="list-style-type: none">• Add/Remove/Modify new survey into the system: different types of question• Add/Remove/Modify the related action plan• Login and Manage the survey system• Export the result data <p>The function of user mainly include:</p> <ul style="list-style-type: none">• Answer the question and get the risk assessment and action plan• Export the result• Get related resource (e.g. related website) and help (e.g. the emergency number)• Register and login (optional) <p>The Server and database will provide:</p> <ul style="list-style-type: none">• The survey/action plan/ assessment• related info• user info <p>Changes from last version:</p> <ul style="list-style-type: none">• remove the researcher (according to the requirement and scope changed)• move some functions of researcher to admin

DI10004

Technology architecture



This is the technology architecture diagram for the system, which mainly shows the technologies will use to implement the system.

The platform that can access the website:

- Computer Web Browser
- Mobile Phone Browser

The front-end technologies include:

- The React : the componet and appearance construction
- The React-Bootstrap: some of the appearance

The backend technologies include:

- AWS cloud : the backend server
- MongoDB : store all related the data of the website

The interaction between different part:

- HTTP request and response
- RESTful API
- Other related API

Project Deployment:

- Heroku
- Amplifyapp

Change from previous version:

- remove the mySQL DB
- Add description for each technoloigoies