

Attachment IV: Functional Design Document

TITLE PAGE

HBO-ICT: English Stream

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Revisions

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1	Concept	October 8	Added Management Summary, Introduction, Owner's Expectation, Database Model and Web-Application Wireframe.
2	Draft	October 15	Changed Database Model and Web-Application Wireframe. Added ERD Association of Wireframe, Functional Requirements Mapping, Tools Used.
3	Draft	October 17	Changed Database Model, Web-Application Wireframe.
4	Final	November 16	Added tables in Database Model and changed SCREEN 14 of Web-Application Wireframe. Changed 'Client' to 'Owner'.

Approval

This document requires following approvals:

Version	Date approval	Name	Function	Initials
3	October 17 th ,2018	Rocco Zanella	Company Tutor	R. Z.

Distribution

This document is distributed to:

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1	October 12, 2018	Rocco Zanella	Company Tutor
2	October 16, 2018	Rocco Zanella	Company Tutor
3	October 17, 2018	Rocco Zanella	Company Tutor

Management Summary

Document Objective

The aim of this document is to

- define Product Owner's (herein after Owner) Expectation
- define Database Model
- state the steps taken to create Database Model
- present Database Model
- define Web-Application Wireframe
- state the steps taken to create Web-Application Wireframe
- present Web-Application Wireframe

in **Project: Web-Application for managing clientele information in OCS-Consulting¹**, referred hereafter as Project.

Motivation

The functional design of Owner's Expectation in its entirety, is made to provide a conceptual foundation for its development into software. Further, the functional requirement of a database to meet Owner's Expectation is explained in this document.

Global Approach

The approach is divided into two phases. In the first phase, the physical Entity Relationship Diagram of Database Model is created, and the steps taken for its creation is documented.

In the second phase, Owner's Expectation defined in **MoSCoW Requirements Prioritization²** is conceptualized into a functional design by user interface diagrams.

¹ This project was initiated in OCS Consulting B.V. to develop a web-application for storing and managing information about their clients in an RDBMS and leveraging its properties for generating contracts.

² The MoSCoW Requirements Prioritization is a component of the project which identifies and prioritizes the requirements from the application into "Must Have", "Should Have", "Could Have", "Will Not Have" categories.

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1. Introduction

This document has been written to define the functional requirements of a database and the design of a web-application to meet Owner's Expectation.

The **Functional Design Document** covers the following fundamental aspects of Project:

- Definitions and method of making Database Model and Web-Application Wireframe.
- Definition of Owner's Expectation.
- Functional development of Owner's Expectation.

The document is used to:

- Ensure that Project covers functional requirements for developing the web-application to Owner's Expectation.
- Provide Project Members a conceptual standpoint for **Alpha Functional Model** and **Beta Functional Model**³

Further, certain assumptions are made to deliver a technically acceptable design with Functional Design Document. These assumptions are the technical constraints applied to accommodate the functionality expected by Owner from a software product. Following are the assumptions made:

- **Owner's expectation is met with a form of software product, i.e. a web application running on a local server.**
- **Its functions include data entry, storage, removal and modification to accommodate Process, i.e. the current process with which Owner manages their own tasks/roles.**
- **The relational database at its back end is represented by Database Model.**
- **The presentation layer or its front end is represented by Web-Application Wireframe.**

³ The two prototypes that were tested and delivered. The later was developed further to meet more of the requirements prescribed.

2. Owner's Expectation

The Owner's expectation from the Project in terms of requirements are studied and presented in this chapter. Further, a clear understanding of the Owner's expectation helps to determine whether it is a functional or a technical requirement. This in turn helps prioritise the requirement(s) for Alpha Functional Model and Beta Functional Model within the scope of Project. These expectations are presented below:

Exp. ID	DESCRIPTION
1.	To manage clientele information of OCS-Consulting B.V., replacing Excel spreadsheet overviews of ongoing projects.
2.	To generate Contracts for OCS-Consulting replacing MS-Word.
3.	To have a single page for data entry and submission for generating Contracts.
4.	To automatically increment Project Numbers and show it in the generated overview when new projects are added.
5.	To implement both ENGLISH and DUTCH Contract templates.
6.	To use information from other tables as a choice, rather than input the same information into text-fields each time it is needed.
7.	To share the status of a project as ongoing or finished.
8.	To highlight projects nearing their end-date.

3. Database Model

In this chapter, the Database Model is defined and presented. It is the physical Entity Relationship Diagram (ERD) of a web-application database designed to meet Owner's expectation. The web-application stores information and this can be achieved with a relational database. The technical requirement of a physical Entity Relationship Diagram is to help with designing a user interface or a wire frame for the web-application.

Further, the creation of Database Model is achieved by strategic arrangement of its tables and by using a method of planning based on conception. The utility of describing this method is its reference when planning STAGE 3 of Global Planning. The steps taken successively are as follows:

STEP 1: Collect all resources used by Owner for managing Company clientele information, i.e. Assignment Confirmation Form(s) hereby referred to as Contracts and Excel spreadsheet overviews:

- Overview of current contracts – assignments.xlsx
- Project number overview.xlsx

STEP 2: Select the stream of Contract templates to work first, between ENGLISH and DUTCH.

STEP 3: List all fields within selected Contract templates, and Excel spreadsheet overviews.
Fields are the columns for tables to be arranged in the database.

STEP 4: Remove duplicates.

In this step, duplicates are available in name and in meaning. Hence, duplicates are removed in both name and meaning. This is the database in its First Normal Form (1NF).

STEP 5: Consider five entities for arranging the fields, namely: Manager, Projects, Contracts, Clients, Consultants.

This is a strategic arrangement of tables. Here, entities are not arranged based on partial dependency, but on functional dependency. An educated estimation (confirmed by Company Tutor) is made in this arrangement to factor out the time needed for removing any partial dependency and transitive dependency to achieve Second Normal Form and Third Normal Form respectively.

STEP 6: Arrange fields into entities as shown:

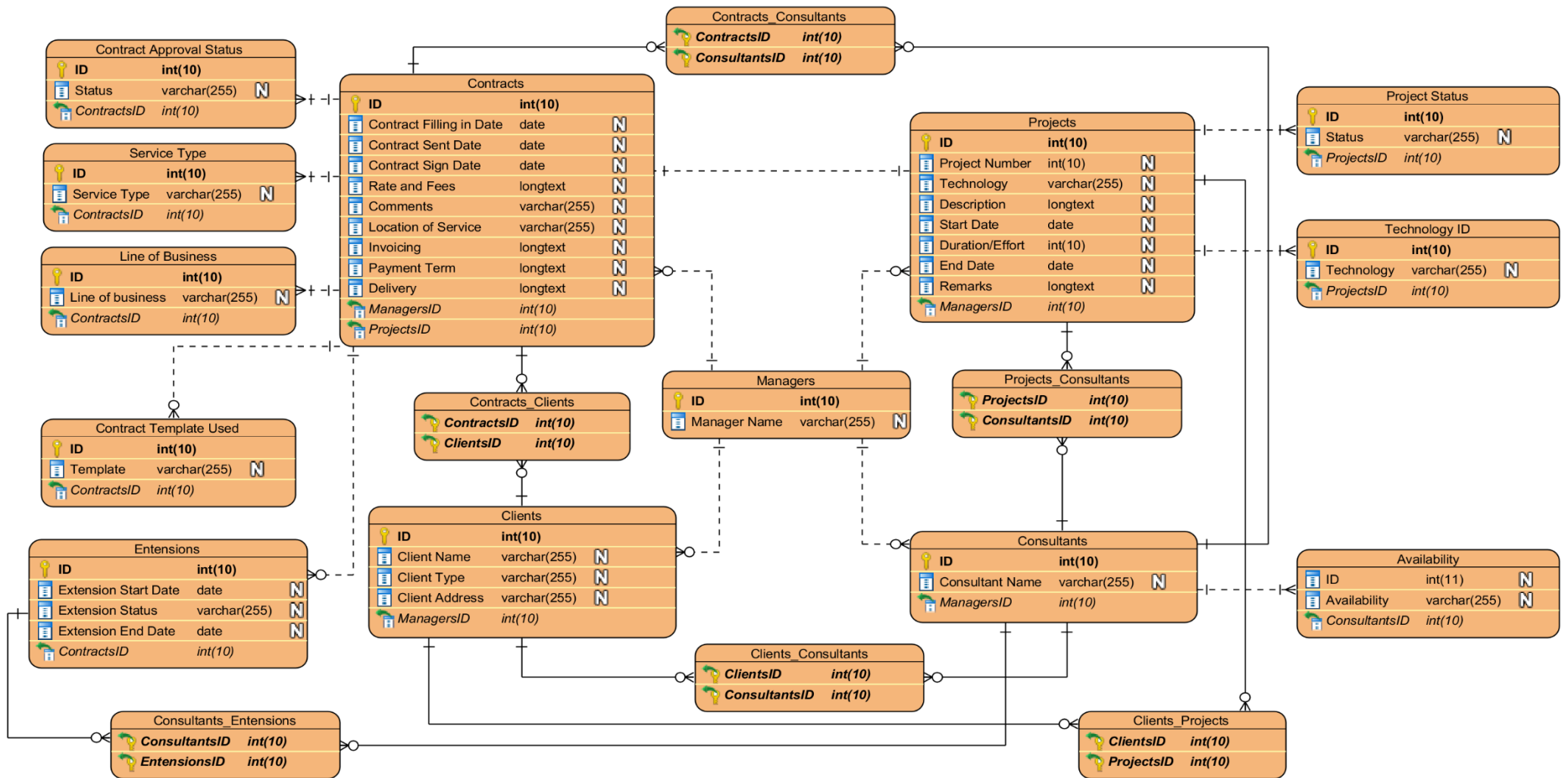
Manager	Projects	Contracts	Clients	Consultants
<ul style="list-style-type: none"> Manager Name 	<ul style="list-style-type: none"> Project Number Technology Description Start Date Duration End Date Remarks 	<ul style="list-style-type: none"> Contract Filling in Date Contract Sent Date Contract Sign Date Rate and Fees Comments Location of Service Invoicing Payment Term Delivery Line of Business 	<ul style="list-style-type: none"> Client Name Service Type Client Address 	<ul style="list-style-type: none"> Consultant Name Availability

STEP 7: Define the unique relationships between entities as shown:

Managers table	Projects table	Contracts table	Clients table	Consultants table
<ul style="list-style-type: none"> Manager with Projects (One to Many) Manager with Contracts (One to Many) Manager with Clients (One to Many) Manager with Consultants (One to Many) 	<ul style="list-style-type: none"> Projects with Contracts (One to One) Projects with Clients (Many to Many) Projects with Consultants (Many to Many) Projects with Project Status (One to Many) Projects with Technology (One to Many) 	<ul style="list-style-type: none"> Contracts with Clients (Many to Many) Contracts with Consultants (Many to Many) Contracts with Extensions (One to Many) Contracts with Line of Business (One to Many) Contracts with Contract Template Used (One to Many) Contracts with Service type (One to Many) Contracts with Contract Approval Status (One to Many) 	<ul style="list-style-type: none"> Clients with Consultants (Many to Many) 	<ul style="list-style-type: none"> Consultants with Availability (One to Many)

These relationships are defined within the context of Owner's expectation of a single page for data entry and submission to create a Contract with the web-application.

STEP 8: Create a physical ERD diagram as presented below.



4. Web-Application Wireframe

In this chapter, the Web-Application Wireframe is defined and presented. It is the mock-up and the non-functional prototype of a web-application wireframe designed to meet Owner's expectation. The aim of the mock-up and the prototype is to deliver a conceptual understanding of the web-application with medium and high-fidelity representations respectively. Representative fidelity used in Web-Application Wireframe is defined below:

- Low-fidelity representation: A hand-drawn sketch of the wireframe.
- Medium-fidelity representation: A mock-up with static images of the wireframe.
- High-fidelity representation: A non-functional prototype with interactive components.

Further, the process by which the mock-up and the non-functional prototype created is described for its evaluation and reference in STAGE 3. The steps taken successively are as follows:

STEP 1: Visualize Owner's interaction with the web-application.

STEP 2: Predetermine Owner's interaction with the web-application to input clientele information, according to the physical Entity Relationship Diagram (ERD).

STEP 3: Sketch out mock-ups by hand for visual support, mapped to the predetermined Owner interaction.

STEP 4: Create mock-ups based on the sketches.

4.1 Mock-up Breakdown Structure

The Mock-up Breakdown Structure is defined to represent its twenty-seven elements with Fig.1, Fig.2, Fig.3, Fig.4, Fig.5, Fig.6 and Fig.7 as shown below. Further each representation is supplied with a table and a column (**Functional Description**), to define its function and type i.e. interactive(clickable) and indicative.

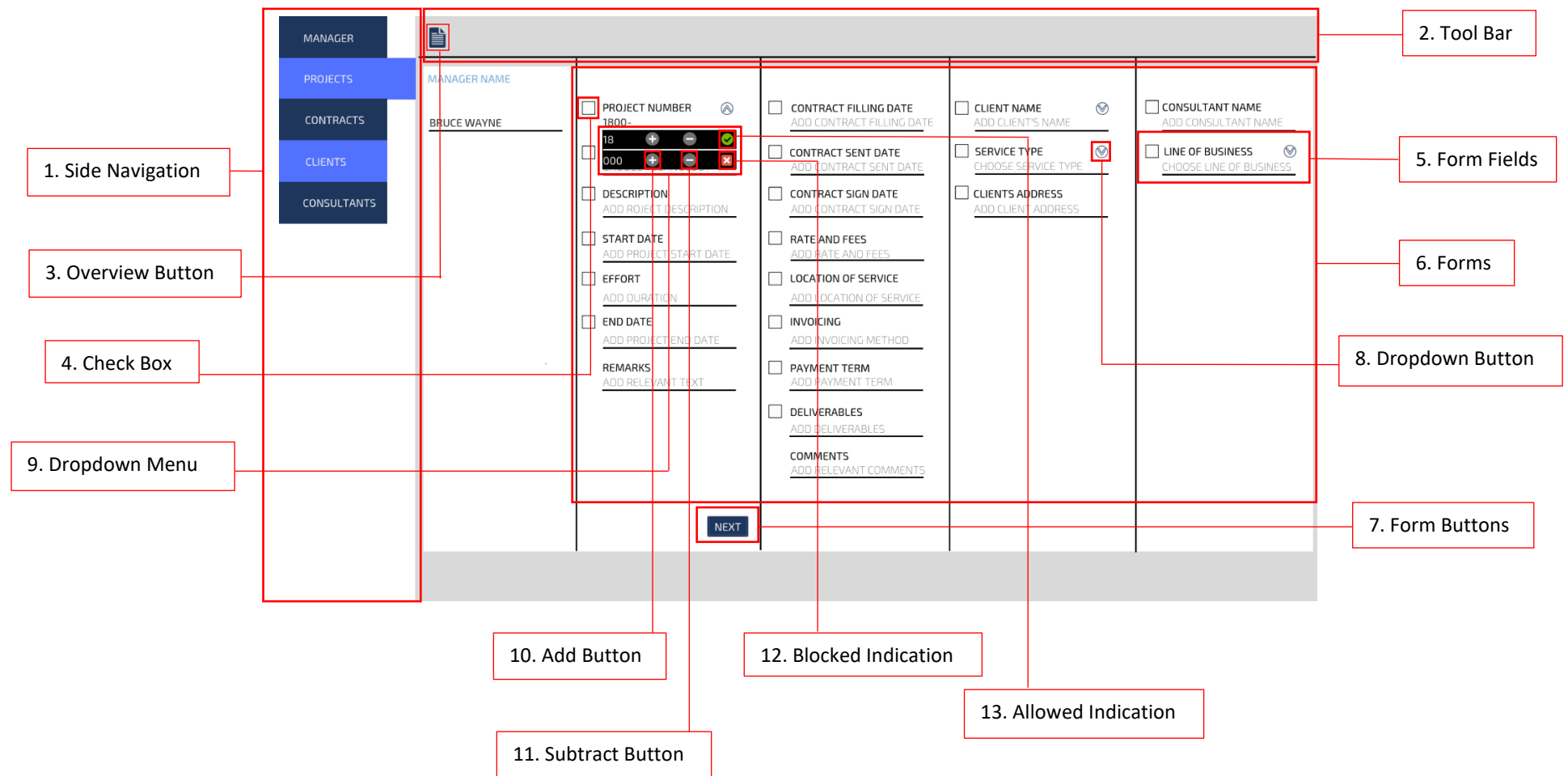


Fig.1

ID	Mock-up Breakdown Structure- Fig.1	Functional Description
1.	Side Navigation	Side Navigation covers the five tabs namely, Manager, Projects, Contracts, Clients and Consultants. Out of the five tabs, the Contracts, Clients and the Consultants tabs are interactive mediums for their associated Overviews.
2.	Tool Bar	Tool Bar covers the ten interactive mediums namely, Overview Button, Create Button, Remove Button, Generate Button, Download Button, Upload Button, Approve Button, Unapproved Button, Previous Button and Next Button.
3.	Overview Button	Overview Button is an interactive medium to visualize Overviews.
4.	Check Box	Check Box is an interactive medium to confirm selection of Form Field(s), Overviews and certain Dropdown Menu option(s).
5.	Form Fields	Form Fields are interactive mediums to insert text and numbers relevant to Process. They are associated with the fields of Database Model- STAGE 2.
6.	Forms	Forms covers the four forms of clientele data entry. Each form has a pre-defined set of Form Fields.
7.	Form Buttons	Form Buttons are an interactive medium to switch between the four forms. There are three Form Buttons. <ul style="list-style-type: none"> • NEXT • BACK • SUBMIT
8.	Dropdown Button	Dropdown Button is an interactive medium to select from a set of data entry inputs defined for certain Form Fields.
9.	Dropdown Menu	Dropdown Menu covers the inputs for selection from a pre-defined set for certain Form Fields.
10.	Add Button	Add Button is an interactive medium of Dropdown Menu where selected numbers can be incremented by one with each click.
11.	Subtract Button	Subtract Button is an interactive medium of Dropdown Menu where selected numbers can be reduced by one with each click.
12.	Blocked Indication	Blocked Indication is an indicative medium that represents the rejection of certain data entries within Dropdown Menu.
13.	Allowed Indication	Allowed Indication is an indicative medium that represents the acceptance of certain data entries within Dropdown Menu.

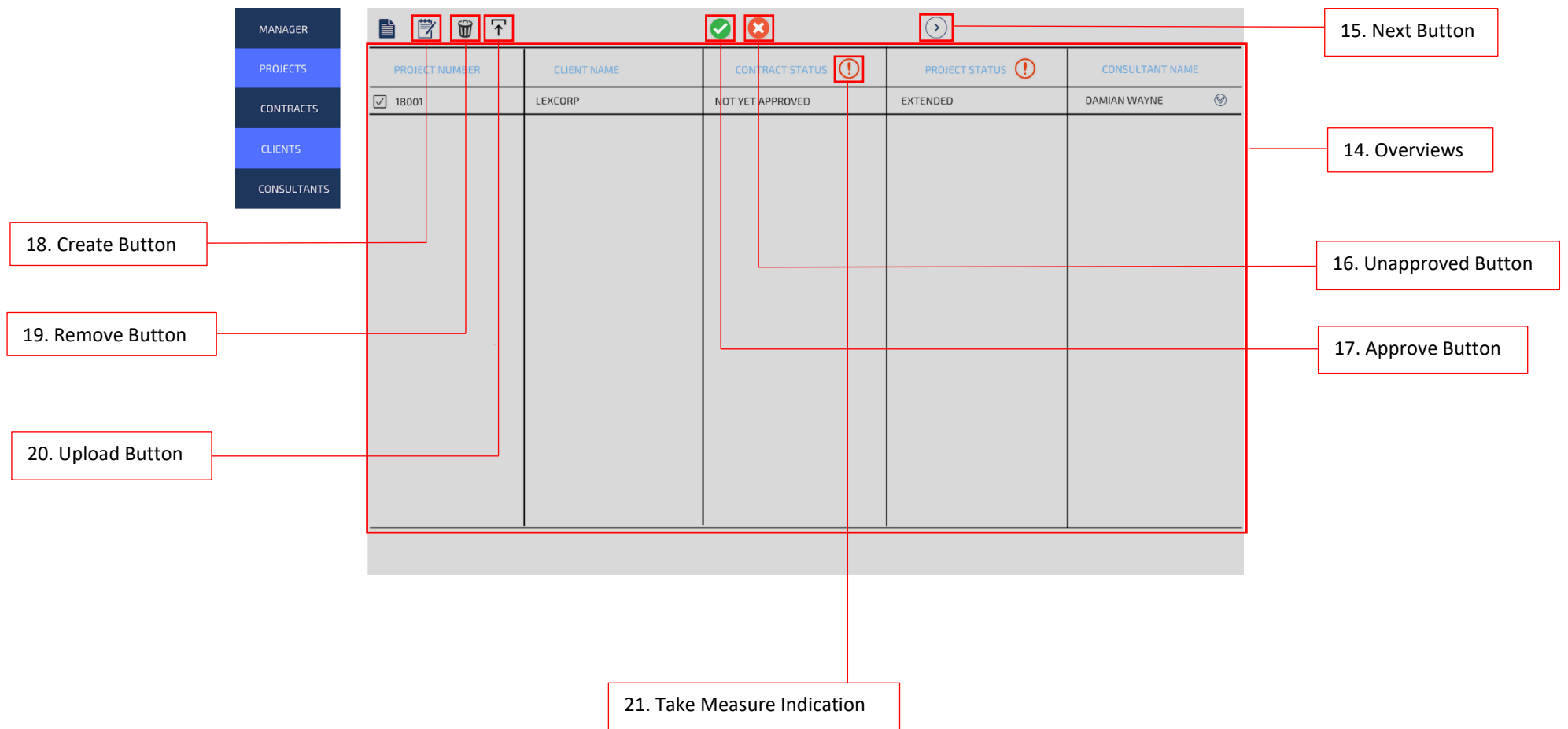


Fig.2

ID	Mock-up Breakdown Structure- Fig.2	Functional Description
14.	Overviews	Overviews provides a tabular presentation of data submitted to the application. They are associated with the entities of Database Model.
15.	Next Button	Next Button is an interactive medium to change Overviews.
16.	Unapproved Button	Unapproved Button is an interactive medium to change Overviews.
17.	Approve Button	Approve Button is an interactive medium to change Overviews.
18.	Create Button	Create Button is an interactive medium to engage Forms.
19.	Remove Button	Remove Button is an interactive medium to change Overviews.
20.	Upload Button	Upload Button is an interactive medium to change Overviews.
21.	Take Measure Indication	Take Measure Indication is an indicative medium that represents the call of action due to changes in Overviews.

The screenshot shows a web application interface with a sidebar menu on the left containing 'MANAGER', 'PROJECTS', 'CONTRACTS', 'CLIENTS', and 'CONSULTANTS'. The main content area is a form titled 'MANAGER NAME' with the value 'BRUCE WAYNE'. The form is organized into five columns for data entry, each with a 'Generate Button' icon (a document with a plus sign) in the top header bar. The columns contain the following fields:

- Column 1:** PROJECT NUMBER (18001), TECHNOLOGY (SAS), DESCRIPTION (ADD PROJECT DESCRIPTION), START DATE (08-27-2018), EFFORT (ADD DURATION), END DATE (09-23-2018), REMARKS (ADD RELEVANT TEXT).
- Column 2:** CONTRACT FILLING DATE (ADD CONTRACT FILLING DATE), CONTRACT SENT DATE (ADD CONTRACT SENT DATE), CONTRACT SIGN DATE (ADD CONTRACT SIGN DATE), RATE AND FEES (ADD RATE AND FEES), LOCATION OF SERVICE (ADD LOCATION OF SERVICE), INVOICING (ADD INVOICING METHOD), PAYMENT TERM (ADD PAYMENT TERM), DELIVERABLES (ADD DELIVERABLES), COMMENTS (ADD RELEVANT COMMENTS).
- Column 3:** CLIENT NAME (LEXCORP), SERVICE TYPE (CHOOSE SERVICE TYPE), CLIENTS ADDRESS (ADD CLIENT ADDRESS).
- Column 4:** CONSULTANT NAME (ADD CONSULTANT NAME), LINE OF BUSINESS (CHOOSE LINE OF BUSINESS).

A red box highlights the 'Generate Button' icon in the top header bar, with a callout label '22. Generate Button'.

Fig.3

ID	Mock-up Breakdown Structure- Fig.3	Functional Description
22.	Generate Button	Generate Button is an interactive medium to save Form Fields selected by filling their respective Check Box for arrangement.

The mock-up shows a sidebar on the left with navigation links: MANAGER, PROJECTS, CONTRACTS, CLIENTS, and CONSULTANTS. The main form area is divided into several columns. The first column contains a 'MANAGER NAME' field with the value 'BRUCE WAYNE'. The second column contains a list of checkboxes for various fields: PROJECT NUMBER (checked), TECHNOLOGY (unchecked), DESCRIPTION (checked), START DATE (checked), EFFORT (checked), and END DATE (checked). The third column contains a 'SELECT CONTRACT TEMPLATE' section with 'DUTCH' and 'ENGLISH' buttons, and a list of checkboxes for INVOICING (checked), PAYMENT TERM (checked), and DELIVERABLES (checked). The fourth column contains a list of checkboxes for CLIENT NAME (checked), SERVICE TYPE (unchecked), and CLIENTS ADDRESS (checked). The fifth column contains a list of checkboxes for CONSULTANT NAME (checked), LINE OF BUSINESS (unchecked), and a 'REMARKS' field.

Fig.4

ID	Mock-up Breakdown Structure- Fig.4	Functional Description
23.	Template Selection Box	Template Selection Box is an interactive medium to store Form Fields into two arrangements namely, DUTCH and ENGLISH.

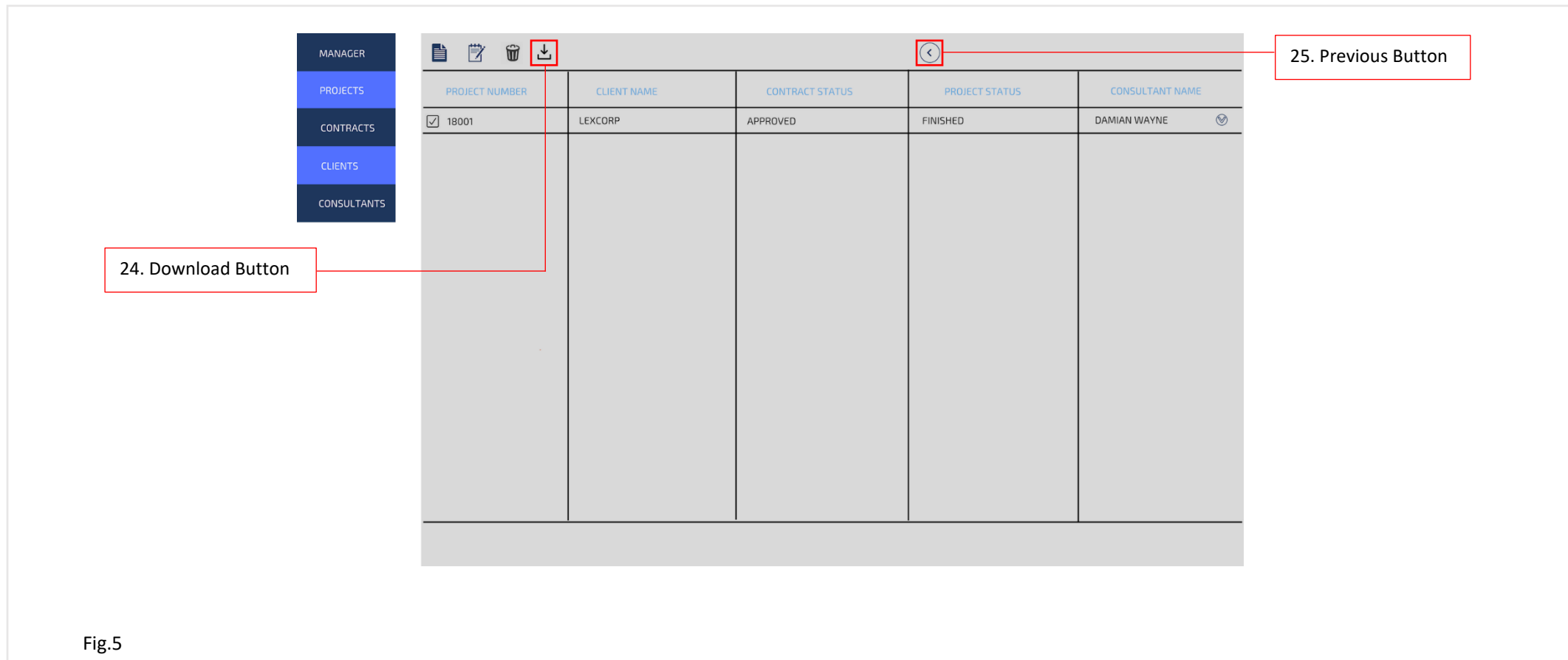


Fig.5

ID	Mock-up Breakdown Structure- Fig.5	Functional Description
24.	Download Button	Download Button is an interactive medium to output specific arrangement of Form Fields.
25.	Previous Button	Previous Button is an interactive medium to change Overviews.

MANAGER
PROJECTS
CONTRACTS
CLIENTS
CONSULTANTS

MANAGER NAME

BRUCE WAYNE

PROJECT NUMBER

18001

TECHNOLOGY

DESCRIPTION

START DATE

08-27-2018

EFFORT

END DATE

09-23-2018

REMARKS

CONTRACT FILLING DATE

CONTRACT SENT DATE

CONTRACT SIGN DATE

RATE AND FEES

LOCATION OF SERVICE

INVOICING

PAYMENT TERM

DELIVERABLES

COMMENTS

CLIENT NAME

LEXCORP

DAYTON LABS

MAGNUS LABS

DUPREE CHEMICAL

QUEEN INDUSTRIES

S.T.A.R. LABS

CONSULTANT NAME

LINE OF BUSINESS

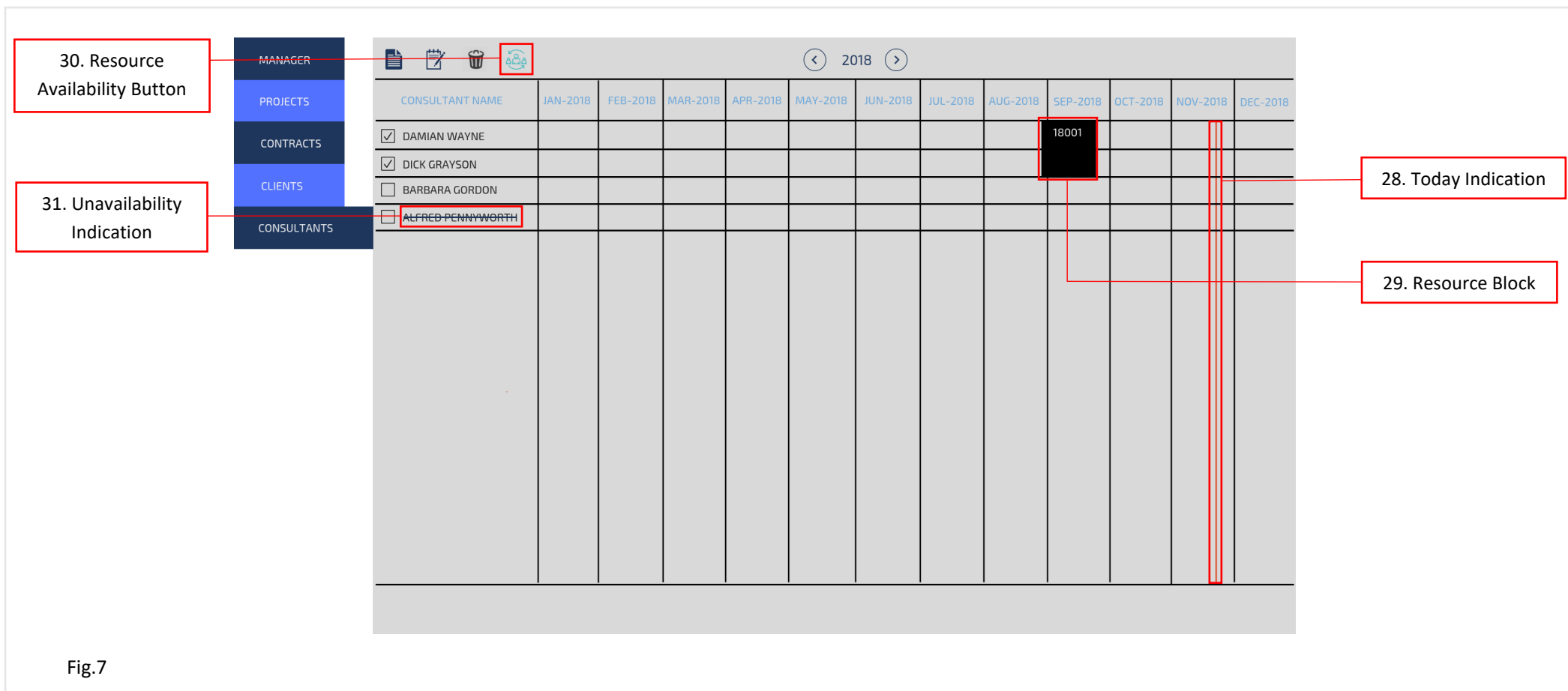
SUBMIT

26. Edit Form Button

27. Radio Button

Fig.6

ID	Mock-up Breakdown Structure- Fig.6	Functional Description
26.	Edit Form Button	Edit Form Button is an interactive medium to change Forms.
27.	Radio Button	Radio Button is an interactive medium to select one input from a set of pre-defined inputs for certain Dropdown Menus.



ID	Mock-up Breakdown Structure- Fig.7	Functional Description
28.	Today Indication	Today Indication is an indicative type medium to represent current date in the monthly calendar view.
29.	Resource Block	Resource Block is an indicative type medium to represent duration of Projects and the Consultants assigned.
30.	Resource Availability Button	Resource Availability Button is an interactive medium to indicate the availability and unavailability of a Consultant.
31.	Unavailability Indication	Unavailability Indication is an indicative medium used to represent the current unavailability of a Consultant.

5. ERD Association of wireframe

Database Model Associations are the connections between the components in Web-Application Wireframe that correspond to the components of Form Fields and Overviews in Database Model. Table below defines these Database Model Associations.

ID.	Field in Web-Application Wireframe	Type	Table in Database Model	Variable Name - Type
1.	Project Number	Form Fields, Overviews	Projects	Project Number – Integer(10)
2.	Technology	Form Fields	Technology	Technology – Varchar(255)
3.	Description	Form Fields	Projects	Description – Longtext
4.	Start Date	Form Fields	Projects	Start Date – date
5.	Effort	Form Fields	Projects	Duration/Effort – Integer(10)
6.	End Date	Form Fields	Projects	End Date – date
7.	Remarks	Form Fields	Projects	Remarks – Longtext
8.	Contract Filling Date	Form Fields	Contracts	Contract Filling In Date – date
9.	Contract Sent Date	Form Fields	Contracts	Contract Sent Date – date
10.	Contract Sign Date	Form Fields	Contracts	Contract Sign Date – date
11.	Rate and Fees	Form Fields	Contracts	Rate and Fees – Longtext
12.	Location of Service	Form Fields	Contracts	Location of Service – Varchar(255)
13.	Invoicing	Form Fields	Contracts	Invoicing – Longtext
14.	Payment Term	Form Fields	Contracts	Payment Term – Longtext
15.	Delivery	Form Fields	Contracts	Delivery – Longtext
16.	Comments	Form Fields	Contracts	Comments – Varchar(255)
17.	Client Name	Form Fields, Overviews	Clients	Client Name – Varchar(255)
18.	Service Type	Form Fields, Overviews	Service Type	Service Type – Varchar(255)
19.	Clients Address	Form Fields, Overviews	Clients	Client Address – Varchar(255)
20.	Consultant's Name	Form Fields, Overviews	Consultants	Consultant Name – Varchar(255)
21.	Line of Business	Form Fields, Overviews	Line of Business	Line of Business – Varchar(255)
22.	Project Status	Overviews	Project Status	Status – Varchar(255)
23.	Contract Status	Overviews	Contract Approval Status	Status – Varchar(255)
24.	Contract Number	Overviews	Extensions	ID – Integer(10)

6. Functional Requirements Mapping

Table below provides the functional requirements planned with Web-Application Wireframe along with their respective mock-up attachments.

Functional Req. ID	Process Description <ul style="list-style-type: none">Steps Involved	Mock-up
1.	Starting point. <ul style="list-style-type: none">No information stored.Click on Create Button.	SCREEN 1
2.	Assign the appropriate Project Number <ul style="list-style-type: none">Click on Dropdown Button in Form Field: Project Number.Click on Add Button and Subtract Button until Allowed Indication on both Dropdown Menu inputs.	SCREEN 2 , SCREEN 3 , SCREEN 4 , SCREEN 5
3.	Change Forms. <ul style="list-style-type: none">Click on Form Button: NEXT and BACK.	SCREEN 5 , SCREEN 6 , SCREEN 7 , SCREEN 8
4.	Store and view entries with Forms into database. <ul style="list-style-type: none">Type in Form Fields.Click Form Button: SUBMIT.	SCREEN 8 , SCREEN 9 , SCREEN 10 , SCREEN 13
5.	Enter one Client. <ul style="list-style-type: none">Click Dropdown Button in Form Field: Client Name.Click on Radio Button of input.Click Form Button: SUBMIT.	SCREEN 10 , SCREEN 12
6.	Enter one or more Consultants. <ul style="list-style-type: none">Click Dropdown Button in Form Field: Consultant Name.Fill Check Box of inputs.Click Form Button: SUBMIT.	SCREEN 13
7.	View, remove and edit Clients Overviews. <ul style="list-style-type: none">Click Clients tab in Side Navigation.Fill in Check Box of Clients Overviews.Click Remove Button and Edit Button.	SCREEN 10 , SCREEN 11
8.	View, remove, edit and indicate the availability, unavailability of Consultant(s). <ul style="list-style-type: none">Click Consultants tab in Side Navigation.Fill in Check Box of Consultants Overviews.Click Remove Button, Edit Button and Resource Availability Button.	SCREEN 13 , SCREEN 14

9.	<p>Change the year from default year, i.e. change present year to another year of Consultants Overviews.</p> <ul style="list-style-type: none"> • Click Consultants tab in Side Navigation. • Click on Next Button and Previous Button. 	SCREEN 14
10.	<p>View, remove and edit Overviews.</p> <ul style="list-style-type: none"> • Click Overview Button. • Fill in Check Box of Overviews. • Click Remove Button and Edit Button. 	SCREEN 15 , SCREEN 16
11.	<p>Generate a Contract.</p> <ul style="list-style-type: none"> • Click Create Button. • Fill in Check Box of Form Fields. • Click Generate Button. • Click DUTCH or ENGLISH in Template Selection Box. • Click on Overview Button. • Fill in Check Box of input. • Click Download Button. 	SCREEN 17 , SCREEN 18 , SCREEN 19
12.	<p>Upload an approved Contract.</p> <ul style="list-style-type: none"> • Generate a Contract. • Click on Approve Button. • Click on Upload Button. 	SCREEN 19 , SCREEN 20 .
13.	<p>Start and finish a Project.</p> <ul style="list-style-type: none"> • Upload an approved Contract. • Click on Next Button once to start. • Click on Next Button two more times to finish. 	SCREEN 21 , SCREEN 22 , SCREEN 23 , SCREEN 27
14.	<p>Extend a Contract.</p> <ul style="list-style-type: none"> • Start a Project. • Click Approve Button. • Click Upload Button. • Click Previous Button. 	SCREEN 23 , SCREEN 24 , SCREEN 25
15.	<p>View, delete and download extended Contracts Overviews.</p> <ul style="list-style-type: none"> • Click Contracts tab. • Fill in Check Box of Overviews. • Click Remove Button and Download Button. 	SCREEN 26

Table below provides the mock-ups of Web-Application Wireframe to illustrate the above functional requirements.

SCREEN 1

Functional Req. ID: [Functional Req. ID 1.](#)

MANAGER

PROJECTS

CONTRACTS

CLIENTS


CONSULTANTS



NO OVERVIEW

SCREEN 2

Functional Req. ID: [Functional Req. ID 2.](#)

MANAGER					
PROJECTS	MANAGER NAME				
CONTRACTS	BRUCE WAYNE				
CLIENTS	<input type="checkbox"/> PROJECT NUMBER SET PROJECT NUMBER	<input type="checkbox"/> CONTRACT FILLING DATE ADD CONTRACT FILLING DATE	<input type="checkbox"/> CLIENT NAME ADD CLIENT'S NAME	<input type="checkbox"/> CONSULTANT NAME ADD CONSULTANT NAME	
CONSULTANTS	<input type="checkbox"/> TECHNOLOGY CHOOSE TECHNOLOGY	<input type="checkbox"/> CONTRACT SENT DATE ADD CONTRACT SENT DATE	<input type="checkbox"/> SERVICE TYPE CHOOSE SERVICE TYPE	<input type="checkbox"/> LINE OF BUSINESS CHOOSE LINE OF BUSINESS	
	<input type="checkbox"/> DESCRIPTION ADD ROJECT DESCRIPTION	<input type="checkbox"/> CONTRACT SIGN DATE ADD CONTRACT SIGN DATE	<input type="checkbox"/> CLIENTS ADDRESS ADD CLIENT ADDRESS		
	<input type="checkbox"/> START DATE ADD PROJECT START DATE	<input type="checkbox"/> RATE AND FEES ADD RATE AND FEES			
	<input type="checkbox"/> EFFORT ADD DURATION	<input type="checkbox"/> LOCATION OF SERVICE ADD LOCATION OF SERVICE			
	<input type="checkbox"/> END DATE ADD PROJECT END DATE	<input type="checkbox"/> INVOICING ADD INVOICING METHOD			
	REMARKS ADD RELEVANT TEXT	<input type="checkbox"/> PAYMENT TERM ADD PAYMENT TERM			
		<input type="checkbox"/> DELIVERABLES ADD DELIVERABLES			
		COMMENTS ADD RELEVANT COMMENTS			
	NEXT				

SCREEN 3

Functional Req. ID: [Functional Req. ID 2.](#)

MANAGER					
PROJECTS					
CONTRACTS					
CLIENTS					
CONSULTANTS					

MANAGER NAME

BRUCE WAYNE

☐ PROJECT NUMBER

1800-

18

+

-

✓

000

+

-

✗

☐ DESCRIPTION

ADD ROJECT DESCRIPTION

☐ START DATE

ADD PROJECT START DATE

☐ EFFORT

ADD DURATION

☐ END DATE

ADD PROJECT END DATE

REMARKS

ADD RELEVANT TEXT

☐ CONTRACT FILLING DATE

ADD CONTRACT FILLING DATE

☐ CONTRACT SENT DATE

ADD CONTRACT SENT DATE

☐ CONTRACT SIGN DATE

ADD CONTRACT SIGN DATE

☐ RATE AND FEES

ADD RATE AND FEES

☐ LOCATION OF SERVICE

ADD LOCATION OF SERVICE

☐ INVOICING

ADD INVOICING METHOD

☐ PAYMENT TERM

ADD PAYMENT TERM

☐ DELIVERABLES

ADD DELIVERABLES

COMMENTS

ADD RELEVANT COMMENTS

NEXT

☐ CLIENT NAME

ADD CLIENT'S NAME

☐ SERVICE TYPE

CHOOSE SERVICE TYPE

☐ CLIENTS ADDRESS

ADD CLIENT ADDRESS

☐ CONSULTANT NAME

ADD CONSULTANT NAME












☐ LINE OF BUSINESS

CHOOSE LINE OF BUSINESS

24























SCREEN 4

Functional Req. ID: [Functional Req. ID 2.](#)

<p>MANAGER</p> <p>PROJECTS</p> <p>CONTRACTS</p> <p>CLIENTS</p> <p>CONSULTANTS</p>	<p></p>				
	<p>MANAGER NAME</p> <p>BRUCE WAYNE</p>				
	<p><input type="checkbox"/> PROJECT NUMBER </p> <p>--00-</p> <p>19   </p> <p>000   </p>	<p><input type="checkbox"/> CONTRACT FILLING DATE</p> <p>ADD CONTRACT FILLING DATE</p>	<p><input type="checkbox"/> CLIENT NAME </p> <p>ADD CLIENT'S NAME</p>	<p><input type="checkbox"/> CONSULTANT NAME</p> <p>ADD CONSULTANT NAME</p>	
	<p><input type="checkbox"/> DESCRIPTION</p> <p>ADD ROJECT DESCRIPTION</p>	<p><input type="checkbox"/> CONTRACT SENT DATE</p> <p>ADD CONTRACT SENT DATE</p>	<p><input type="checkbox"/> SERVICE TYPE </p> <p>CHOOSE SERVICE TYPE</p>	<p><input type="checkbox"/> LINE OF BUSINESS </p> <p>CHOOSE LINE OF BUSINESS</p>	
	<p><input type="checkbox"/> START DATE</p> <p>ADD PROJECT START DATE</p>	<p><input type="checkbox"/> CONTRACT SIGN DATE</p> <p>ADD CONTRACT SIGN DATE</p>	<p><input type="checkbox"/> CLIENTS ADDRESS</p> <p>ADD CLIENT ADDRESS</p>		
<p><input type="checkbox"/> EFFORT</p> <p>ADD DURATION</p>	<p><input type="checkbox"/> RATE AND FEES</p> <p>ADD RATE AND FEES</p>				
<p><input type="checkbox"/> END DATE</p> <p>ADD PROJECT END DATE</p>	<p><input type="checkbox"/> LOCATION OF SERVICE</p> <p>ADD LOCATION OF SERVICE</p>				
<p>REMARKS</p> <p>ADD RELEVANT TEXT</p>	<p><input type="checkbox"/> INVOICING</p> <p>ADD INVOICING METHOD</p>				
	<p><input type="checkbox"/> PAYMENT TERM</p> <p>ADD PAYMENT TERM</p>				
	<p><input type="checkbox"/> DELIVERABLES</p> <p>ADD DELIVERABLES</p>				
	<p>COMMENTS</p> <p>ADD RELEVANT COMMENTS</p>				
	<p>NEXT</p>				


SCREEN 5

Functional Req. ID: [Functional Req. ID 2.](#), [Functional Req. ID 3.](#)

<p>MANAGER</p> <p>PROJECTS</p> <p>CONTRACTS</p> <p>CLIENTS</p> <p>CONSULTANTS</p>	<p></p>				
	<p>MANAGER NAME</p>				
	<p>BRUCE WAYNE</p>				
	<p><input type="checkbox"/> PROJECT NUMBER </p> <p>18001</p> <p>18   </p> <p>001   </p>	<p><input type="checkbox"/> CONTRACT FILLING DATE </p> <p>ADD CONTRACT FILLING DATE</p>	<p><input type="checkbox"/> CLIENT NAME </p> <p>ADD CLIENT'S NAME</p>	<p><input type="checkbox"/> CONSULTANT NAME </p> <p>ADD CONSULTANT NAME</p>	
	<p><input type="checkbox"/> DESCRIPTION </p> <p>ADD ROJECT DESCRIPTION</p>	<p><input type="checkbox"/> CONTRACT SENT DATE </p> <p>ADD CONTRACT SENT DATE</p>	<p><input type="checkbox"/> SERVICE TYPE </p> <p>CHOOSE SERVICE TYPE</p>	<p><input type="checkbox"/> LINE OF BUSINESS </p> <p>CHOOSE LINE OF BUSINESS</p>	
<p><input type="checkbox"/> START DATE</p> <p>08-27-2018</p>	<p><input type="checkbox"/> CONTRACT SIGN DATE </p> <p>ADD CONTRACT SIGN DATE</p>	<p><input type="checkbox"/> CLIENTS ADDRESS </p> <p>ADD CLIENT ADDRESS</p>			
<p><input type="checkbox"/> EFFORT</p> <p>ADD DURATION</p>	<p><input type="checkbox"/> RATE AND FEES </p> <p>ADD RATE AND FEES</p>				
<p><input type="checkbox"/> END DATE</p> <p>09-23-2018</p>	<p><input type="checkbox"/> LOCATION OF SERVICE </p> <p>ADD LOCATION OF SERVICE</p>				
<p>REMARKS</p> <p>ADD RELEVANT TEXT</p>	<p><input type="checkbox"/> INVOICING </p> <p>ADD INVOICING METHOD</p>				
	<p><input type="checkbox"/> PAYMENT TERM </p> <p>ADD PAYMENT TERM</p>				
	<p><input type="checkbox"/> DELIVERABLES </p> <p>ADD DELIVERABLES</p>				
	<p>COMMENTS</p> <p>ADD RELEVANT COMMENTS</p>				
	<p>NEXT</p>				


SCREEN 6

Functional Req. ID: [Functional Req. ID 3.](#)

<p>MANAGER</p> <p>PROJECTS</p> <p>CONTRACTS</p> <p>CLIENTS</p> <p>CONSULTANTS</p>					
	<p>MANAGER NAME</p>				
	<p>BRUCE WAYNE</p>				
	<p><input type="checkbox"/> PROJECT NUMBER 18001</p> <p><input type="checkbox"/> TECHNOLOGY CHOOSE TECHNOLOGY</p> <p><input type="checkbox"/> DESCRIPTION ADD ROJECT DESCRIPTION</p> <p><input type="checkbox"/> START DATE 08-27-2018</p> <p><input type="checkbox"/> EFFORT ADD DURATION</p> <p><input type="checkbox"/> END DATE 09-23-2018</p> <p>REMARKS ADD RELEVANT TEXT</p>	<p><input type="checkbox"/> CONTRACT FILLING DATE ADD CONTRACT FILLING DATE</p> <p><input type="checkbox"/> CONTRACT SENT DATE ADD CONTRACT SENT DATE</p> <p><input type="checkbox"/> CONTRACT SIGN DATE ADD CONTRACT SIGN DATE</p> <p><input type="checkbox"/> RATE AND FEES ADD RATE AND FEES</p> <p><input type="checkbox"/> LOCATION OF SERVICE ADD LOCATION OF SERVICE</p> <p><input type="checkbox"/> INVOICING ADD INVOICING METHOD</p> <p><input type="checkbox"/> PAYMENT TERM ADD PAYMENT TERM</p> <p><input type="checkbox"/> DELIVERABLES ADD DELIVERABLES</p> <p>COMMENTS ADD RELEVANT COMMENTS</p>	<p><input type="checkbox"/> CLIENT NAME ADD CLIENT'S NAME</p> <p><input type="checkbox"/> SERVICE TYPE CHOOSE SERVICE TYPE</p> <p><input type="checkbox"/> CLIENTS ADDRESS ADD CLIENT ADDRESS</p>	<p><input type="checkbox"/> CONSULTANT NAME ADD CONSULTANT NAME</p> <p><input type="checkbox"/> LINE OF BUSINESS CHOOSE LINE OF BUSINESS</p>	
	<p>BACK</p> <p>NEXT</p>				

SCREEN 7

Functional Req. ID: [Functional Req. ID 3.](#)

<p>MANAGER</p> <p>PROJECTS</p> <p>CONTRACTS</p> <p>CLIENTS</p> <p>CONSULTANTS</p>						
	<p>MANAGER NAME</p> <p>BRUCE WAYNE</p>					
	<input type="checkbox"/> PROJECT NUMBER 18001	<input type="checkbox"/> TECHNOLOGY CHOOSE TECHNOLOGY	<input type="checkbox"/> DESCRIPTION ADD ROJECT DESCRIPTION	<input type="checkbox"/> START DATE 08-27-2018	<input type="checkbox"/> EFFORT ADD DURATION	<input type="checkbox"/> END DATE 09-23-2018
	<p>REMARKS</p> <p>ADD RELEVANT TEXT</p>					
	<input type="checkbox"/> CONTRACT FILLING DATE ADD CONTRACT FILLING DATE	<input type="checkbox"/> CONTRACT SENT DATE ADD CONTRACT SENT DATE	<input type="checkbox"/> CONTRACT SIGN DATE ADD CONTRACT SIGN DATE	<input type="checkbox"/> RATE AND FEES ADD RATE AND FEES	<input type="checkbox"/> LOCATION OF SERVICE ADD LOCATION OF SERVICE	<input type="checkbox"/> INVOICING ADD INVOICING METHOD
<input type="checkbox"/> PAYMENT TERM ADD PAYMENT TERM		<input type="checkbox"/> DELIVERABLES ADD DELIVERABLES		<p>COMMENTS</p> <p>ADD RELEVANT COMMENTS</p>		
			<input type="checkbox"/> CLIENT NAME ADD CLIENT'S NAME	<input type="checkbox"/> SERVICE TYPE CHOOSE SERVICE TYPE	<input type="checkbox"/> CLIENTS ADDRESS ADD CLIENT ADDRESS	
			<input type="checkbox"/> CONSULTANT NAME ADD CONSULTANT NAME			
			<input type="checkbox"/> LINE OF BUSINESS CHOOSE LINE OF BUSINESS			
			<p>BACK</p> <p>NEXT</p>			

SCREEN 8

Functional Req. ID: [Functional Req. ID 3.](#) [Functional Req. ID 4.](#)

<div>MANAGER</div> <div>PROJECTS</div> <div>CONTRACTS</div> <div>CLIENTS</div> <div>CONSULTANTS</div>	<div>MANAGER NAME</div> <div>BRUCE WAYNE</div>					
	<input type="checkbox"/> PROJECT NUMBER 18001	<input type="checkbox"/> TECHNOLOGY CHOOSE TECHNOLOGY	<input type="checkbox"/> DESCRIPTION ADD ROJECT DESCRIPTION	<input type="checkbox"/> START DATE 08-27-2018	<input type="checkbox"/> EFFORT ADD DURATION	<input type="checkbox"/> END DATE 09-23-2018
	REMARKS ADD RELEVANT TEXT					
	<input type="checkbox"/> CONTRACT FILLING DATE ADD CONTRACT FILLING DATE	<input type="checkbox"/> CONTRACT SENT DATE ADD CONTRACT SENT DATE	<input type="checkbox"/> CONTRACT SIGN DATE ADD CONTRACT SIGN DATE	<input type="checkbox"/> RATE AND FEES ADD RATE AND FEES	<input type="checkbox"/> LOCATION OF SERVICE ADD LOCATION OF SERVICE	
	<input type="checkbox"/> INVOICING ADD INVOICING METHOD	<input type="checkbox"/> PAYMENT TERM ADD PAYMENT TERM	<input type="checkbox"/> DELIVERABLES ADD DELIVERABLES	COMMENTS ADD RELEVANT COMMENTS		
<input type="checkbox"/> CLIENT NAME ADD CLIENT'S NAME	<input type="checkbox"/> SERVICE TYPE CHOOSE SERVICE TYPE	<input type="checkbox"/> CLIENTS ADDRESS ADD CLIENT ADDRESS	<input type="checkbox"/> CONSULTANT NAME ADD CONSULTANT NAME			
			<input type="checkbox"/> LINE OF BUSINESS CHOOSE LINE OF BUSINESS			
			<div>BACK</div> <div>SUBMIT</div>			

SCREEN 9

Functional Req. ID: [Functional Req. ID 4.](#)

<div>MANAGER</div> <div>PROJECTS</div> <div>CONTRACTS</div> <div>CLIENTS</div> <div>CONSULTANTS</div>	<div>MANAGER NAME</div> <div>BRUCE WAYNE</div>			
	<div>PROJECT NUMBER</div> <div>18001</div>	<div>CONTRACT FILLING DATE</div> <div>ADD CONTRACT FILLING DATE</div>	<div>CLIENT NAME</div> <div>ADD CLIENT'S NAME</div>	<div>CONSULTANT NAME</div> <div>ADD CONSULTANT NAME</div>
	<div>TECHNOLOGY</div> <div>CHOOSE TECHNOLOGY</div>	<div>CONTRACT SENT DATE</div> <div>ADD CONTRACT SENT DATE</div>	<div>SERVICE TYPE</div> <div>CHOOSE SERVICE TYPE</div>	<div>LINE OF BUSINESS</div> <div>CHOOSE LINE OF BUSINESS</div>
	<div>DESCRIPTION</div> <div>ADD ROJECT DESCRIPTION</div>	<div>CONTRACT SIGN DATE</div> <div>ADD CONTRACT SIGN DATE</div>	<div>CLIENTS ADDRESS</div> <div>ADD CLIENT ADDRESS</div>	
	<div>START DATE</div> <div>08-27-2018</div>	<div>RATE AND FEES</div> <div>ADD RATE AND FEES</div>		
	<div>EFFORT</div> <div>ADD DURATION</div>	<div>LOCATION OF SERVICE</div> <div>ADD LOCATION OF SERVICE</div>		
	<div>END DATE</div> <div>09-23-2018</div>	<div>INVOICING</div> <div>ADD INVOICING METHOD</div>		
	<div>REMARKS</div> <div>ADD RELEVANT TEXT</div>	<div>PAYMENT TERM</div> <div>ADD PAYMENT TERM</div>		
		<div>DELIVERABLES</div> <div>ADD DELIVERABLES</div>		
		<div>COMMENTS</div> <div>ADD RELEVANT COMMENTS</div>		

SCREEN 10




Functional Req. ID: [Functional Req. ID 4.](#), [Functional Req. ID 5.](#), [Functional Req. ID 7](#)

<p>MANAGER</p> <p>PROJECTS</p> <p>CONTRACTS</p> <p>CLIENTS</p> <p>CONSULTANTS</p>	<div> </div>				
	<p>MANAGER NAME</p> <p>BRUCE WAYNE</p>	<div> </div> <p><input type="checkbox"/> PROJECT NUMBER 18001</p> <p><input type="checkbox"/> TECHNOLOGY</p> <p><input type="checkbox"/> DESCRIPTION</p> <p><input type="checkbox"/> START DATE 08-27-2018</p> <p><input type="checkbox"/> EFFORT</p> <p><input type="checkbox"/> END DATE 09-23-2018</p> <p>REMARKS</p>	<div> </div> <p><input type="checkbox"/> CONTRACT FILLING DATE</p> <p><input type="checkbox"/> CONTRACT SENT DATE</p> <p><input type="checkbox"/> CONTRACT SIGN DATE</p> <p><input type="checkbox"/> RATE AND FEES</p> <p><input type="checkbox"/> LOCATION OF SERVICE</p> <p><input type="checkbox"/> INVOICING</p> <p><input type="checkbox"/> PAYMENT TERM</p> <p><input type="checkbox"/> DELIVERABLES</p> <p>COMMENTS</p>	<div> </div> <p><input type="checkbox"/> CLIENT NAME LEXCORP</p> <p><input type="checkbox"/> DAYTON LABS</p> <p><input type="checkbox"/> MAGNUS LABS</p> <p><input type="checkbox"/> DUPREE CHEMICAL</p> <p><input type="checkbox"/> QUEEN INDUSTRIES</p> <p><input type="checkbox"/> S.T.A.R. LABS</p>	<div> </div> <p><input type="checkbox"/> CONSULTANT NAME</p> <p>LINE OF BUSINESS</p>
	<p>SUBMIT</p>				

SCREEN 11

Functional Req. ID: [Functional Req. ID 7.](#)






MANAGER
PROJECTS
CONTRACTS
CLIENTS
CONSULTANTS

CLIENT NAME	CLIENT TYPE	CLIENT ADDRESS
<input checked="" type="checkbox"/> LEXCORP		
<input type="checkbox"/> DAYTON LABS		
<input type="checkbox"/> MAGNUS LABS		
<input type="checkbox"/> DUPREE CHEMICAL		
<input type="checkbox"/> QUEEN INDUSTRIES		
<input type="checkbox"/> S.T.A.R. LABS		







SCREEN 12

Functional Req. ID: [Functional Req. ID 5.](#)

<p>MANAGER</p> <p>PROJECTS</p> <p>CONTRACTS</p> <p>CLIENTS</p> <p>CONSULTANTS</p>	<p> MANAGER NAME</p> <p><u>BRUCE WAYNE</u></p>			
	<p> <input type="checkbox"/> PROJECT NUMBER ✓</p> <p><u>18001</u></p>	<p> <input type="checkbox"/> CONTRACT FILLING DATE ✓</p> <p><u>ADD CONTRACT FILLING DATE</u></p>	<p> <input type="checkbox"/> CLIENT NAME ✓</p> <p><u>LEXCORP</u></p>	<p> <input type="checkbox"/> CONSULTANT NAME ✓</p> <p><u>ADD CONSULTANT NAME</u></p>
	<p><input type="checkbox"/> TECHNOLOGY ✓</p> <p><u>CHOOSE TECHNOLOGY</u></p>	<p><input type="checkbox"/> CONTRACT SENT DATE ✓</p> <p><u>ADD CONTRACT SENT DATE</u></p>	<p><input type="checkbox"/> CLIENTS TYPE ✓</p> <p><u>CHOOSE CLIENT TYPE</u></p>	<p><input type="checkbox"/> LINE OF BUSINESS ✓</p> <p><u>CHOOSE LINE OF BUSINESS</u></p>
	<p><input type="checkbox"/> DESCRIPTION</p> <p><u>ADD ROJECT DESCRIPTION</u></p>	<p><input type="checkbox"/> CONTRACT SIGN DATE</p> <p><u>ADD CONTRACT SIGN DATE</u></p>	<p><input type="checkbox"/> CLIENTS ADDRESS</p> <p><u>ADD CLIENT ADDRESS</u></p>	
	<p><input type="checkbox"/> START DATE</p> <p><u>08-27-2018</u></p>	<p><input type="checkbox"/> RATE AND FEES</p> <p><u>ADD RATE AND FEES</u></p>		
	<p><input type="checkbox"/> EFFORT</p> <p><u>ADD DURATION</u></p>	<p><input type="checkbox"/> LOCATION OF SERVICE</p> <p><u>ADD LOCATION OF SERVICE</u></p>		
	<p><input type="checkbox"/> END DATE</p> <p><u>09-23-2018</u></p>	<p><input type="checkbox"/> INVOICING</p> <p><u>ADD INVOICING METHOD</u></p>		
	<p>REMARKS</p> <p><u>ADD RELEVANT TEXT</u></p>	<p><input type="checkbox"/> PAYMENT TERM</p> <p><u>ADD PAYMENT TERM</u></p>		
		<p><input type="checkbox"/> DELIVERABLES</p> <p><u>ADD DELIVERABLES</u></p>		
		<p>COMMENTS</p> <p><u>ADD RELEVANT COMMENTS</u></p>		

SCREEN 13

Functional Req. ID: [Functional Req. ID 4.](#), [Functional Req. ID 6.](#), [Functional Req. 8](#)

<p>MANAGER</p> <p>PROJECTS</p> <p>CONTRACTS</p> <p>CLIENTS</p> <p>CONSULTANTS</p>					
	<p>MANAGER NAME</p> <p>BRUCE WAYNE</p>	<p></p> <p><input type="checkbox"/> PROJECT NUMBER 18001</p> <p><input type="checkbox"/> TECHNOLOGY</p> <p><input type="checkbox"/> DESCRIPTION</p> <p><input type="checkbox"/> START DATE 08-27-2018</p> <p><input type="checkbox"/> EFFORT</p> <p><input type="checkbox"/> END DATE 09-23-2018</p> <p>REMARKS</p>	<p></p> <p><input type="checkbox"/> CONTRACT FILLING DATE</p> <p><input type="checkbox"/> CONTRACT SENT DATE</p> <p><input type="checkbox"/> CONTRACT SIGN DATE</p> <p><input type="checkbox"/> RATE AND FEES</p> <p><input type="checkbox"/> LOCATION OF SERVICE</p> <p><input type="checkbox"/> INVOICING</p> <p><input type="checkbox"/> PAYMENT TERM</p> <p><input type="checkbox"/> DELIVERABLES</p> <p>COMMENTS</p>	<p></p> <p><input type="checkbox"/> CLIENT NAME LEXCORP</p> <p><input type="checkbox"/> CLIENTS TYPE</p> <p><input type="checkbox"/> CLIENTS ADDRESS</p>	<p></p> <p><input type="checkbox"/> CONSULTANT NAME </p> <p>ADD CONSULTANT NAME</p> <p>DAMIAN WAYNE <input checked="" type="checkbox"/></p> <p>DICK GRAYSON <input checked="" type="checkbox"/></p> <p>BARBARA GORDON <input type="checkbox"/></p>
	<p>SUBMIT</p>				

SCREEN 14

Functional Req. ID: [Functional Req. ID 8.](#), [Functional Req. ID 9.](#)

MANAGER

PROJECTS

CONTRACTS

CLIENTS

CONSULTANTS

<

2018

>

CONSULTANT NAME	JAN-2018	FEB-2018	MAR-2018	APR-2018	MAY-2018	JUN-2018	JUL-2018	AUG-2018	SEP-2018	OCT-2018	NOV-2018	DEC-2018
<input checked="" type="checkbox"/> DAMIAN WAYNE									18001			
<input checked="" type="checkbox"/> DICK GRAYSON												
<input type="checkbox"/> BARBARA GORDON												
<input type="checkbox"/> ALFRED PENNYWORTH												

SCREEN 15

Functional Req. ID:	<u>Functional Req. ID 10</u>
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MANAGER


PROJECTS

CONTRAC

CLIENTS

CONSULTA



PROJECT NUMBER	CLIENT NAME	CONTRACT STATUS	PROJECT STATUS	CONSULTANT NAME
<input type="checkbox"/> 18001	LEXCORP			DAMIAN WAYNE 


SCREEN 16

Functional Req. ID:	Functional Req. ID 10
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- MANAGER
- PROJECTS
- CONTRACTS
- CLIENTS
- CONSULTANTS

- MANAGER
- PROJECTS
- CONTRACTS
- CLIENTS
- CONSULTANTS

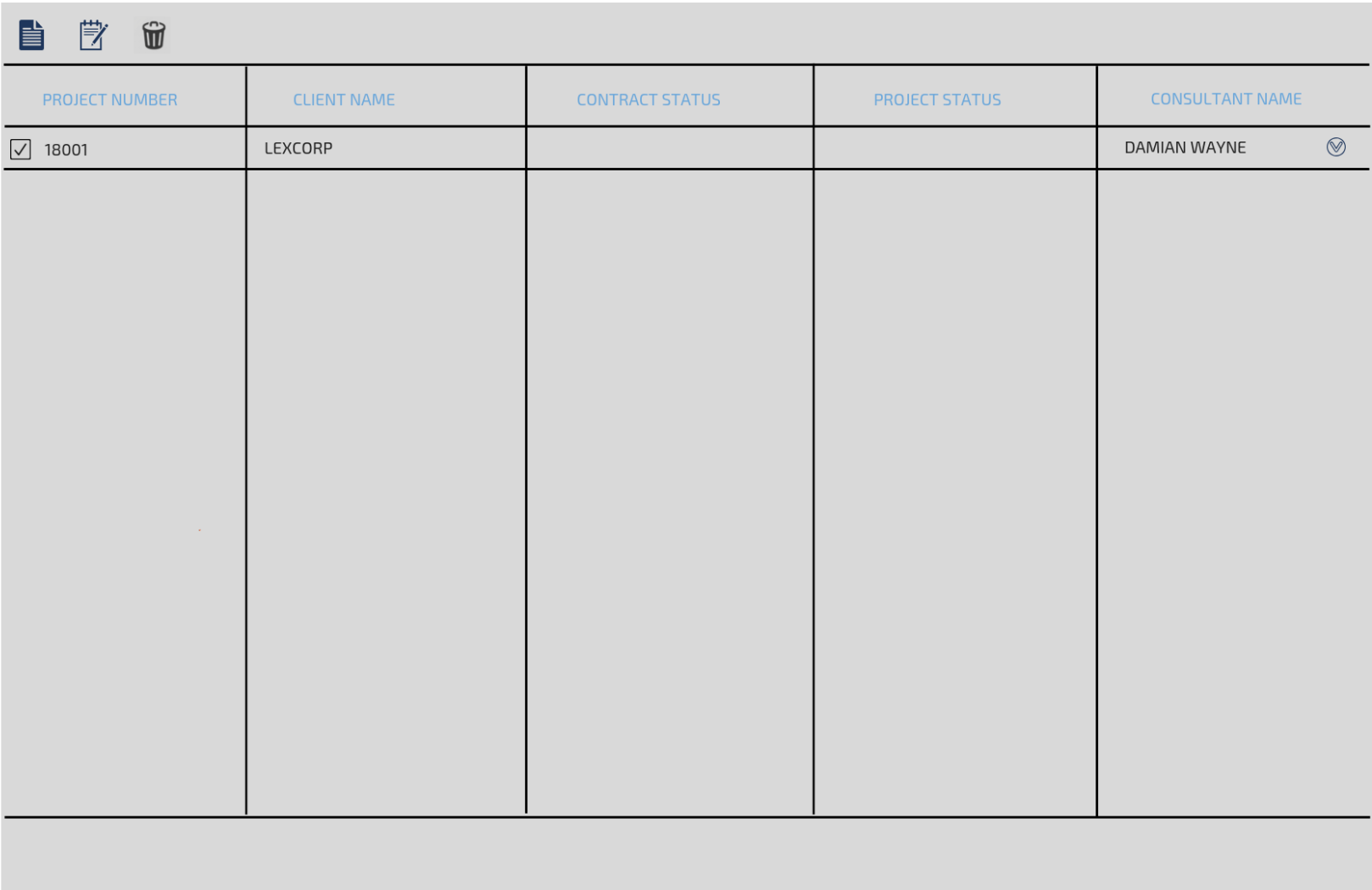
- MANAGER
- PROJECTS
- CONTRACTS
- CLIENTS
- CONSULTANTS



- MANAGER
- PROJECTS
- CONTRACTS
- CLIENTS
- CONSULTANTS



- MANAGER
- PROJECTS
- CONTRACTS
- CLIENTS
- CONSULTANTS



PROJECT NUMBER

CLIENT NAME

CONTRACT STATUS

PROJECT STATUS

CONSULTANT NAME

☒ 18001



LEXCORP

DAMIAN WAYNE 



SCREEN 17

Functional Req. ID: [Functional Req. ID 11](#)

<div>MANAGER</div> <div>PROJECTS</div> <div>CONTRACTS</div> <div>CLIENTS</div> <div>CONSULTANTS</div>	<div>   </div>				
	MANAGER NAME				
	BRUCE WAYNE				
	<input checked="" type="checkbox"/> PROJECT NUMBER 18001	<input type="checkbox"/> CONTRACT FILLING DATE ADD CONTRACT FILLING DATE	<input checked="" type="checkbox"/> CLIENT NAME LEXCORP	<input checked="" type="checkbox"/> CONSULTANT NAME ADD CONSULTANT NAME	
	<input type="checkbox"/> TECHNOLOGY SAS	<input type="checkbox"/> CONTRACT SENT DATE ADD CONTRACT SENT DATE	<input type="checkbox"/> SERVICE TYPE CHOOSE SERVICE TYPE	<input type="checkbox"/> LINE OF BUSINESS CHOOSE LINE OF BUSINESS	
<input checked="" type="checkbox"/> DESCRIPTION ADD ROJECT DESCRIPTION	<input type="checkbox"/> CONTRACT SIGN DATE ADD CONTRACT SIGN DATE	<input checked="" type="checkbox"/> CLIENTS ADDRESS ADD CLIENT ADDRESS			
<input checked="" type="checkbox"/> START DATE 08-27-2018	<input checked="" type="checkbox"/> RATE AND FEES ADD RATE AND FEES				
<input checked="" type="checkbox"/> EFFORT ADD DURATION	<input checked="" type="checkbox"/> LOCATION OF SERVICE ADD LOCATION OF SERVICE				
<input checked="" type="checkbox"/> END DATE 09-23-2018	<input checked="" type="checkbox"/> INVOICING ADD INVOICING METHOD				
REMARKS ADD RELEVANT TEXT	<input checked="" type="checkbox"/> PAYMENT TERM ADD PAYMENT TERM				
	<input checked="" type="checkbox"/> DELIVERABLES ADD DELIVERABLES				
	COMMENTS ADD RELEVANT COMMENTS				

SCREEN 18

Functional Req. ID: [Functional Req. ID 11](#)

<div>MANAGER</div> <div>PROJECTS</div> <div>CONTRACTS</div> <div>CLIENTS</div> <div>CONSULTANTS</div>	MANAGER NAME				
	BRUCE WAYNE				
	<input checked="" type="checkbox"/> PROJECT NUMBER 18001	<input type="checkbox"/> CONTRACT FILLING DATE ADD CONTRACT FILLING DATE	<input checked="" type="checkbox"/> CLIENT NAME LEXCORP	<input checked="" type="checkbox"/> CONSULTANT NAME ADD CONSULTANT NAME	
	<input type="checkbox"/> TECHNOLOGY SAS	<input type="checkbox"/> CONTRACT SENT DATE ADD CONTRACT SENT DATE	<input type="checkbox"/> SERVICE TYPE CHOOSE SERVICE TYPE	<input type="checkbox"/> LINE OF BUSINESS CHOOSE LINE OF BUSINESS	
	<input checked="" type="checkbox"/> DESCRIPTION ADD ROJECT DESCRIPTION	<input type="checkbox"/> CONTRACT SIGN DATE ADD CONTRACT SIGN DATE	<input checked="" type="checkbox"/> CLIENTS ADDRESS ADD CLIENT ADDRESS		
<input checked="" type="checkbox"/> START DATE 08-27-2018	<div>SELECT CONTRACT TEMPLATE</div> <div>DUTCH ENGLISH</div>				
<input checked="" type="checkbox"/> EFFORT ADD DURATION	<input checked="" type="checkbox"/> INVOICING ADD INVOICING METHOD				
<input checked="" type="checkbox"/> END DATE 09-23-2018	<input checked="" type="checkbox"/> PAYMENT TERM ADD PAYMENT TERM				
REMARKS ADD RELEVANT TEXT	<input checked="" type="checkbox"/> DELIVERABLES ADD DELIVERABLES				
	COMMENTS ADD RELEVANT COMMENTS				

SCREEN 19

Functional Req. ID:	Functional req. ID 11 , Functional req. ID 12 .
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MANAGER

PROJECTS

CONTRAC

CLIENTS

CONSULTA

[illegible]

SCREEN 20

Functional Req. ID:	Functional Req. ID 12.
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MANAGER



PROJECTS

CONTRAC

CLIENTS

CONSULTA



PROJECT NUMBER	CLIENT NAME	CONTRACT STATUS	PROJECT STATUS 	CONSULTANT NAME
<input checked="" type="checkbox"/> 18001	LEXCORP	APPROVED	NOT YET STARTED	DAMIAN WAYNE 

SCREEN 21

Functional Req. ID:	Functional Req. ID 13.
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MANAGER



PROJECTS

CONTRAC

CLIENTS

CONSULTA




PROJECT NUMBER	CLIENT NAME	CONTRACT STATUS	PROJECT STATUS 	CONSULTANT NAME
<input checked="" type="checkbox"/> 18001	LEXCORP	APPROVED	NOT YET STARTED	DAMIAN WAYNE 


SCREEN 22

Functional Req. ID:	Functional req. ID 13.
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- MANAGER
- PROJECTS
- CONTRACTS
- CLIENTS
- CONSULTANTS




- MANAGER
- PROJECTS
- CONTRACTS
- CLIENTS
- CONSULTANTS



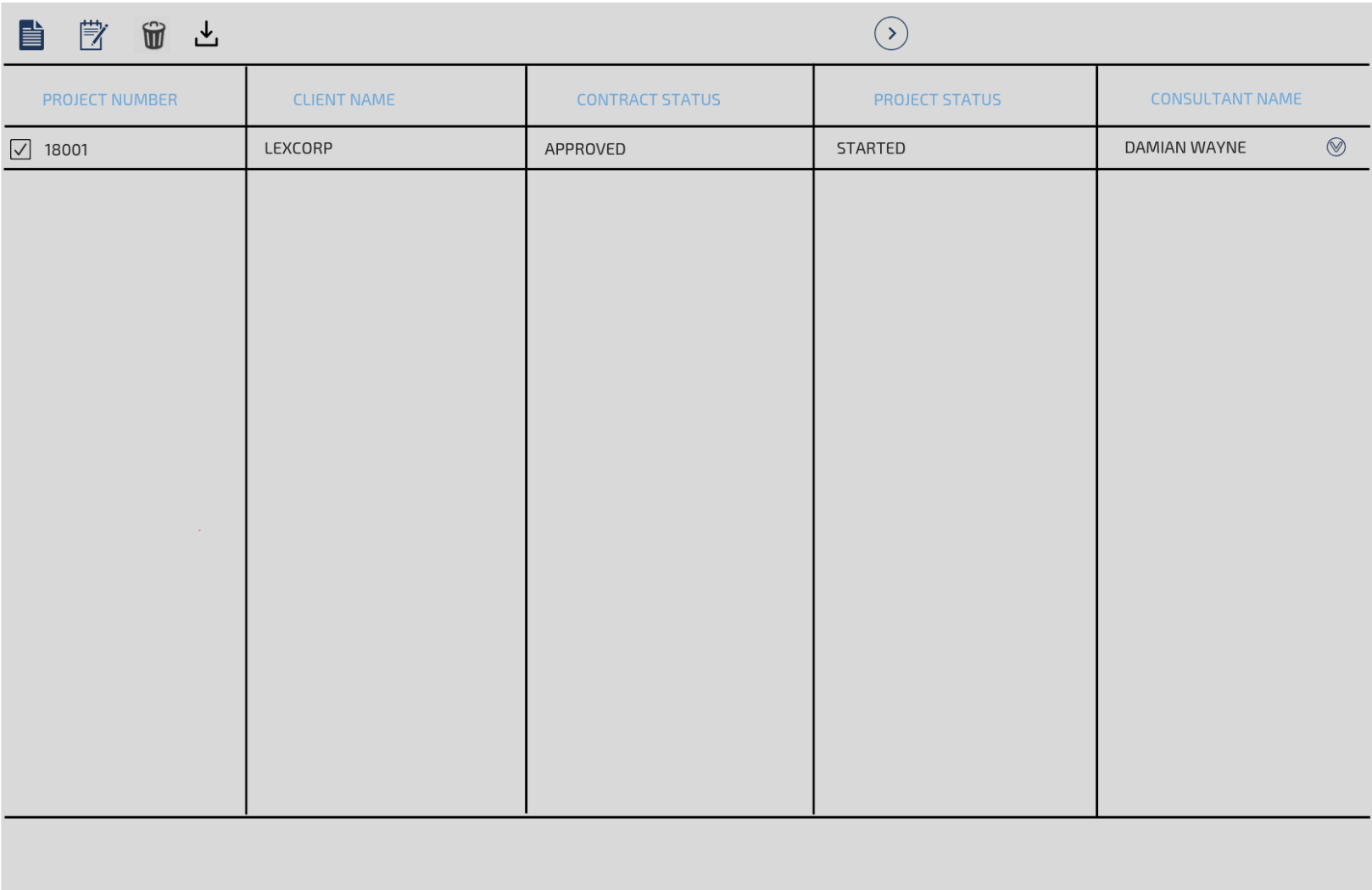
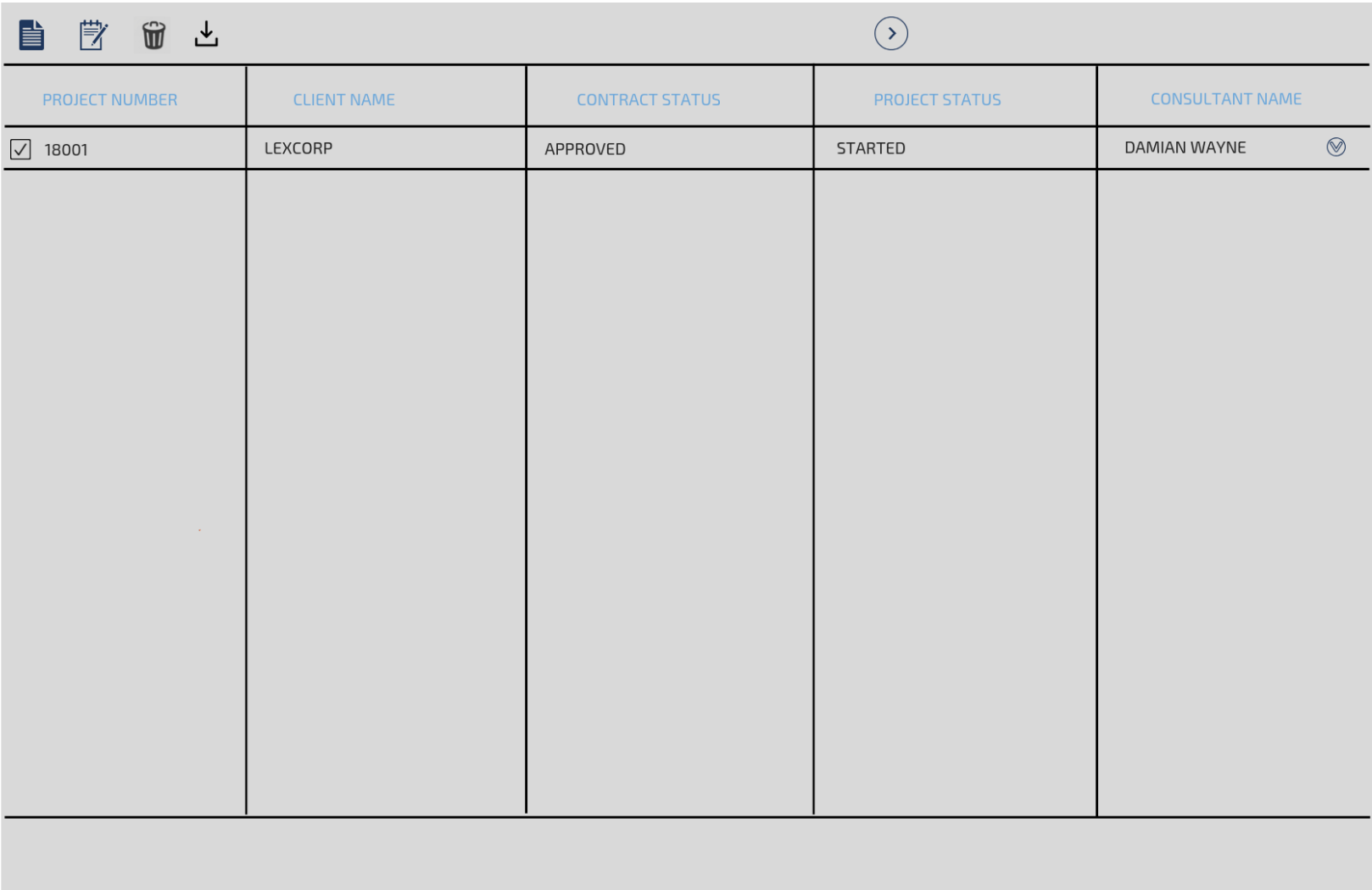
- MANAGER
- PROJECTS
- CONTRACTS
- CLIENTS
- CONSULTANTS




- MANAGER
- PROJECTS
- CONTRACTS
- CLIENTS
- CONSULTANTS





- MANAGER
- PROJECTS
- CONTRACTS
- CLIENTS
- CONSULTANTS



PROJECT NUMBER	CLIENT NAME	CONTRACT STATUS	PROJECT STATUS	CONSULTANT NAME
<input checked="" type="checkbox"/> 18001	LEXCORP	APPROVED	STARTED	DAMIAN WAYNE 

PROJECT NUMBER	CLIENT NAME	CONTRACT STATUS	PROJECT STATUS	CONSULTANT NAME
<input checked="" type="checkbox"/> 18001	LEXCORP	APPROVED	STARTED	DAMIAN WAYNE 

PROJECT NUMBER	CLIENT NAME	CONTRACT STATUS	PROJECT STATUS	CONSULTANT NAME
<input checked="" type="checkbox"/> 18001	LEXCORP	APPROVED	STARTED	DAMIAN WAYNE 

PROJECT NUMBER	CLIENT NAME	CONTRACT STATUS	PROJECT STATUS	CONSULTANT NAME
<input checked="" type="checkbox"/> 18001	LEXCORP	APPROVED	STARTED	DAMIAN WAYNE 

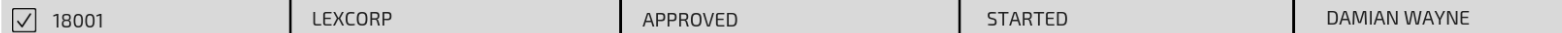
PROJECT NUMBER	CLIENT NAME	CONTRACT STATUS	PROJECT STATUS	CONSULTANT NAME
<input checked="" type="checkbox"/> 18001	LEXCORP	APPROVED	STARTED	DAMIAN WAYNE 

☒☒ 18001

<input checked="" type="checkbox"/> 18001	LEXCORP
---	---------

<input checked="" type="checkbox"/> 18001	LEXCORP	APPROVED
---	---------	----------

<input checked="" type="checkbox"/> 18001	LEXCORP	APPROVED	STARTED
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SCREEN 23

Functional Req. ID:	Functional Req. ID 13. , Functional Req. ID 14.
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MANAGER

PROJECTS

CONTRAC

CLIENTS


CONSULTA

<div><div><div><div><div><div></div></div></div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div><div><div><div></div></div><div><div></div></div></div><div><div><div></div></div><div><div></div></div></div><div><div><div></div></div><div><div></div></div></div></div><div><div><div></div></div><div><div></div></div></div><div><div><div></div></div><div><div></div></div></div></div><div><div><div></div></div><div><div></div></div></div></div> <div><div><div></div></div><div><div></div></div></div>

				PROJECT NUMBER	CLIENT NAME	CONTRACT STATUS	PROJECT STATUS	CONSULTANT NAME
18001	LEXCORP	NOT YET APPROVED	EXTENDED	DAMIAN WAYNE				

SCREEN 24

Functional Req. ID:	Functional Req. ID 14.
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- MANAGER
- PROJECTS
- CONTRACTS
- CLIENTS
- CONSULTANTS




- MANAGER
- PROJECTS
- CONTRACTS
- CLIENTS
- CONSULTANTS



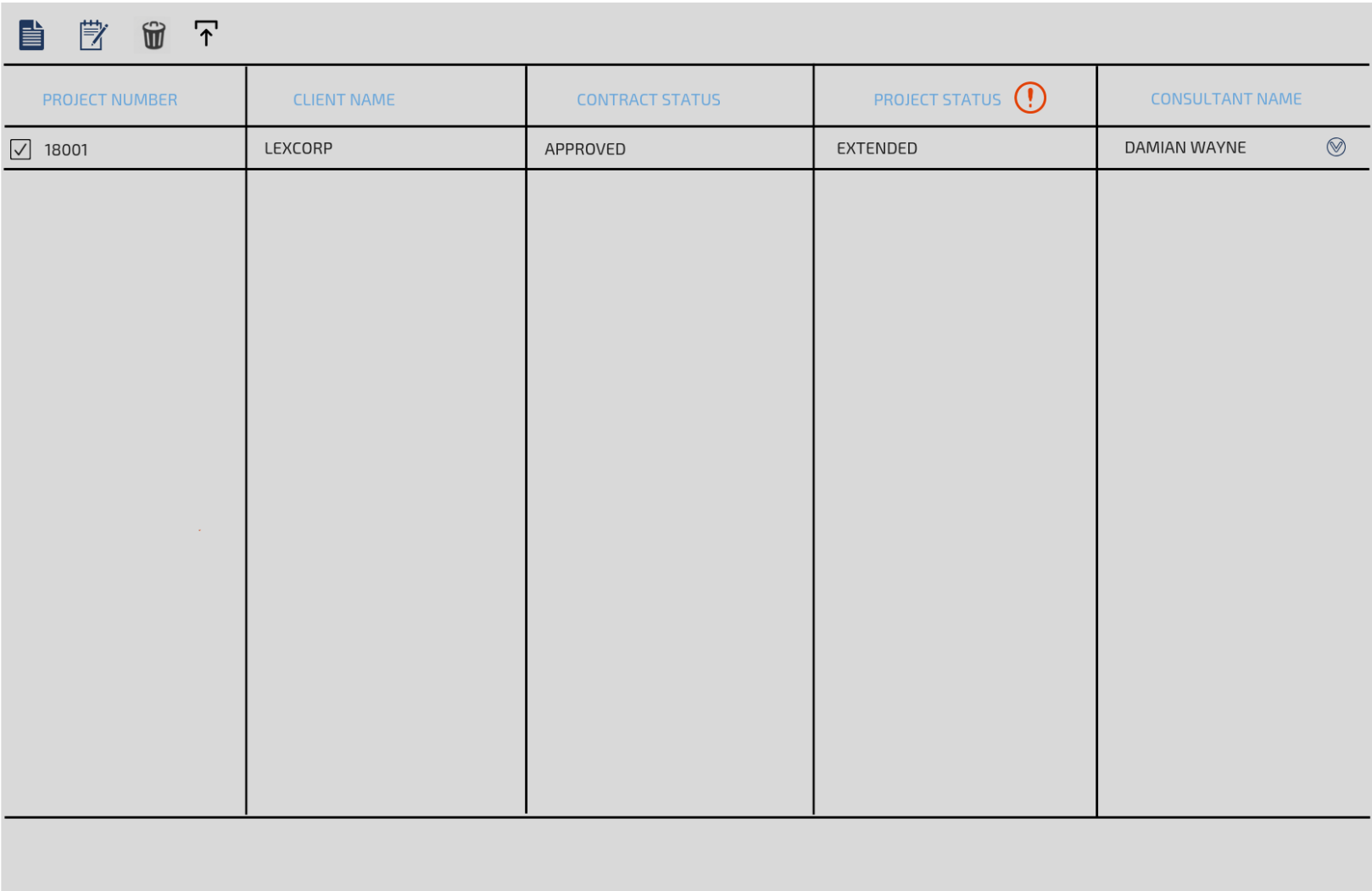
- MANAGER
- PROJECTS
- CONTRACTS
- CLIENTS
- CONSULTANTS



- MANAGER
- PROJECTS
- CONTRACTS
- CLIENTS
- CONSULTANTS



- MANAGER
- PROJECTS
- CONTRACTS
- CLIENTS
- CONSULTANTS



PROJECT NUMBER

CLIENT NAME

CONTRACT STATUS

PROJECT STATUS

CONSULTANT NAME

☒ 18001

LEXCORP

APPROVED

EXTENDED

DAMIAN WAYNE 

SCREEN 25

Functional Req. ID:	Functional req. ID 14.
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- MANAGER
- PROJECTS
- CONTRACTS
- CLIENTS
- CONSULTANTS

- MANAGER
- PROJECTS
- CONTRACTS
- CLIENTS
- CONSULTANTS

- MANAGER
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- CONSULTANTS

- MANAGER
- PROJECTS
- CONTRACTS
- CLIENTS
- CONSULTANTS

PROJECT NUMBER	CLIENT NAME	CONTRACT STATUS	PROJECT STATUS <div></div>	CONSULTANT NAME
<div><div></div>18001</div>	LEXCORP	APPROVED	EXTENDED	DAMIAN WAYNE <div></div>

SCREEN 26

Functional Req. ID:	Functional Req. ID 15.
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MANAGER


PROJECTS

CONTRACTS

CLIENTS


CONSULTANTS




CONTRACT NUMBER	PROJECT NUMBER	CLIENT NAME	CONTRACT STATUS	CONSULTANT NAME
<input checked="" type="checkbox"/> 18001-1	18001	LEXCORP	APPROVED	DAMIAN WAYNE 

SCREEN 27


Functional Req. ID:	Functional Req. ID 13.
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- MANAGER
- PROJECTS
- CONTRACTS
- CLIENTS
- CONSULTANTS



- MANAGER
- PROJECTS
- CONTRACTS
- CLIENTS
- CONSULTANTS



- MANAGER
- PROJECTS
- CONTRACTS
- CLIENTS
- CONSULTANTS



- MANAGER
- PROJECTS
- CONTRACTS
- CLIENTS
- CONSULTANTS



- MANAGER
- PROJECTS
- CONTRACTS
- CLIENTS
- CONSULTANTS

PROJECT NUMBER	CLIENT NAME	CONTRACT STATUS	PROJECT STATUS	CONSULTANT NAME
<input checked="" type="checkbox"/> 18001	LEXCORP	APPROVED	FINISHED	DAMIAN WAYNE <input checked="" type="checkbox"/>

7. Tools Used

Tool used to create Database Model is:

Visual Paradigm Community edition

It was chosen for creating the physical ERD because of the following reasons:

- Familiarity of its environment.
- Desktop application where ERD models created can be generated into databases in MySQL format.
- Auto generate foreign keys by adding relationships between entities.
- Easy to resize, shape and move the entities and relationships in the diagram.
- Easy to update, add and remove columns.

Tools used to create the non- functional prototype of Web-Application Wireframe are:

Canva.com

It was chosen for this step because of the following reasons:

- Free-to use.
- Free to download pages in .jpeg or .png formats.
- Ability to customize text, shapes, colours, lines and dimensions of each page with a range of suitable options.
- Highly intuitive user-interface.
- Steep learning curve (relatively easy to learn within a short time-period).
- Provides a simple mechanism for layering picture components.

Invisionapp.com

It was chosen for this step because of the following reasons:

- The feature to upload mock-up images as separate files.
- Ability to connect mock-ups by clicking.
- Ability to select any position within the images for clicking.