Sensory Platform
Change Request No. 1

SECTION A: CHANGE REQUEST DESCRIPTION

Request Date: 10/22/2022

Term and SY: Term 1, S.Y. 2022-2023

Type of Change:

    ____   Proposed technology is not available

    🟥   Functional/Design Change

    ____   Implementation Change

    ____   Need for additional technology

FAP Group Members: _____

Description of the Requested Change (Long Description):

The group requests for changes to be made correspond with the database schema. The first change will be the names of the database tables which have spaces and underscores in the names (Post Information > PostInformation). The rest of the database table names do not have these features and are thus an inconsistency in naming convention. Furthermore, the group intends to remove CampaignList_Id from the table CampaignStats table as well as Remove ArticleInformation_Image from the ArticleInformation table. The group intends to modify these to change the way that ArticleInformation table related transactions are made. The group also requests for the removal of ArticleInformation_Image from the table ArticleInformation because the article function that displays the articles does not have any images. If the ArticleInformation_Image is kept in the project, it will not be used because articles do not have images so the group requests for their removal.

The group also intends to add items to the existing data dictionary that were not added but were initially part of the database schema. These were mistakenly not added. The parts of the data dictionary that are to be added/edited are the ArticleTopic_Id, ArticleTopic_Name, ArticleTopic_Description, TestType_Id, TestType_Name, TestType_Description. These are all already part of the database schema / plan but no dictionary definition has been made yet.

Reason for Change:

The team would like to request a change in the database schema of the application. There were multiple issues found with the current schema in relation to the project that were only found recently. The issues that we found included that the database schema used for the paper had inconsistencies with what was written.

ArticleInformation currently has the image attribute, however the articles that the project intends to store do not make use of this attribute. As such, this feature will not be used for the articles the project intends to store. If kept, the ArticleInformation_Image will not be used in the database. The project uses and stores images, such as in the User_Information table. If the user wants to change their image, then they can do so because this feature is implemented in the project. However, because images do not convey the contents of the articles the project intends to store, then the ArticleInformation_Image attribute will be unnecessary and should be omitted.

Several database table names had to be changed to fit the naming conventions used to make it more consistent. In the database table Campaign Stats, CampaignList_Id is stated to be a foreign key but it is not supposed to have any relation to the Campaign List table. Keeping CampaignList_Id will cause errors in the database because of this foreign key which should not be in Campaign Stats.

In the data dictionary, as stated in the description, the dictionary does not include crucial database table attributes. The reason they are not added is due to an error. To resolve this, the group intends to add these table attributes which already exist on the database schema but were not added to the data dictionary.

SECTION B: IMPACT ASSESSMENT

Change Request (Short Description):

List of Chapters/Sections Impacted by the Change: *(attach the revised ISPROJ1 sections which were affected by the changes)*

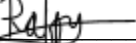|	Section/Chapter	Description of Change/Modification
1	Chapter 4, Database Schema	Editing of the Tables in the Database Schema
2	Chapter 4, Data Dictionary	Editing the Data Dictionary
3		
…		

Ancajas, Renzo R.   10/22/2022
_____   _____

Aquino, Raphael Anton Luis M.   10/22/2022
_____   _____

Bilanes, Ethan Kenneth D.   10/22/2022
_____   _____

Vallejo, Caryl Chrisabelle C.   10/22/2022
_____   _____

Endorsed by:

_____   _____

[Adviser Name]   Date

SECTION C: LIST OF APPENDICES

Appendix I :
Appendix II :
Appendix III:

SECTION D: APPROVAL

Name of Reviewer:

*****The succeeding to be accomplished by the ISPROJ1 Panel Chair:*

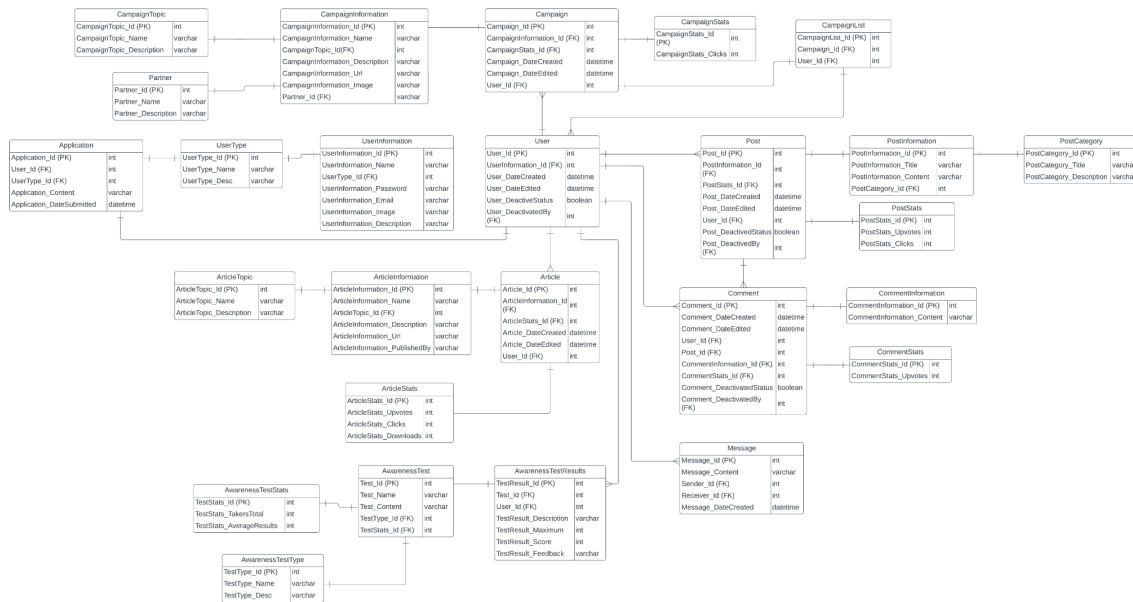**Status:** ☐ **Approved** ☐ **Disapproved**

Date of Approval : _____

Comments:

_____ _____

[ISPROJ1 Panel Chair]   Date

Database Schema

Data Dictionary

Data Dictionary	Reference Number: *DD001*
	Version Number: 2.0
System Name: *SPD Online Platform*	

PK	Field Name	Data Type	Length	Nullable	Default Value	Description
Y	User_Id	int	4	notnull	0	The primary key of the User table
	User_DateCreated	datetime	8	notnull	Date.now	Date the user was created
	User_DateEdited	datetime	8	null	null	Date the user was edited
	User_DeactivatedStatus	boolean	1	notnull	0	Determines whether the user was

PK	Field Name	Data Type	Length	Nullable	Default Value	Description
						deactivated
	User_Deactivate dBy	int	4	notnull	0	The User_Id of the user that deactivated the account
Y	UserInformation _Id	int	4	notnull	0	The primary key of the UserInformation table

PK	Field Name	Data Type	Length	Nullable	Default Value	Description
	UserInformation_ Name	varchar	255	notnull	""	Name of the user
	UserInformation_ Password	varchar	255	notnull	""	Password of the user
	UserInformation_ Email	varchar	255	notnull	""	Email of the user
	UserInformation_I mage	varchar	255	notnull	""	The url to the image of a user
	UserInformation_ Description	varchar	255	notnull	""	The profile description of a user
Y	UserType_Id	int	4	notnull	0	Primary Key of UserType table
	UserType_Name	varchar	255	notnull	""	The name of a user type
	UserType_Desc	varchar	255	notnull	""	The description of a user type
Y	Post_Id	int	4	notnull	0	Primary key of the post table
	Post_DateCreated	datetim	8	notnull	Date.Now	Date the post was

		e				created
	Post_DateEdited	datetime	8	nullable	null	Date the post was edited
	Post_DeactivatedStatus	boolean	1	notnull	0	Determines whether the post was deactivated
	Post_DeactivatedBy	int	4	nullable	null	The id of the user that deactivated the post
Y	PostInformation_Id	int	4	notnull	0	Primary key of the Post Information table
	PostInformation_Title	varchar	255	notnull	""	The title of the post
	PostInformation_Content	varchar	255	notnull	""	The content of the post
Y	PostStats_Id	int	4	notnull	0	Primary key of the PostStatus table
	PostStats_Upvotes	int	4	notnull	0	The number of upvotes for a given post
	PostStats_Clicks	int	4	notnull	0	The number of clicks for a given post
Y	PostCategory_Id	int	4	notnull	0	Primary key of the Post Category table
	PostCategory_Title	varchar	255	notnull	""	The name of a post's category
	PostCategory_Description	varchar	255	notnull	""	The description of a post's category
Y	Comment_Id	int	4	notnull	0	Primary key of the Comment table
	Comment_DateCreated	datetime	8	notnull	Date.Now	Date the comment was created
	Comment_DateEdited	datetime	8	nullable	null	Date the comment was edited
	Comment_Deactiv	boolean	2	notnull	0	Determines if

	atedStatus					comment was deactivated
	Comment_Deactiv atedBy	int	4	nullable	null	Determines who deactivated the comment
Y	CommentInformat ion_Id	int	4	notnull	0	Primary key of the Comment Information table
	CommentInformat ion_Content	varchar	255	notnull	""	Content of a comment
Y	CommentStats_Id	int	4	notnull	0	Primary Key of Comment Stats Table
	CommentStats_Up votes	int	4	notnull	0	Number of comment upvotes
Y	Article_Id	int	4	notnull	0	Primary Key of Article table
	Article _DateCreated	datetim e	8	notnull	Date.Now	Date the article was created
	Article _DateEdited	datetim e	8	nullable	null	Date the article was edited
Y	ArticleInformation _Id	int	4	notnull	0	Primary Key of the Article Information table
	ArticleInformation _Name	varchar	255	notnull	""	The name of the article
	ArticleInformation _Description	varchar	255	notnull	""	The description of an article
	ArticleInformation _Url	varchar	255	notnull	""	The url of an article
	Article _PublishedBy	varchar	255	notnull	""	The publisher of a given article
	ArticleInformation _Image	varchar	255	notnull	""	The url for the image of an article
Y	ArticleStats_Id	int	4	notnull	0	Primary Key of ArticleStats table

	ArticleStats _Upvotes	int	4	notnull	0	The number of upvotes of an article
	ArticleStats _Clicks	int	4	notnull	0	The number of clicks on an article
	ArticleStats _Downloads	int	4	notnull	0	The number of downloads of an article
Y	ArticleTopic_Id	int	4	notnull	0	Primary Key of ArticleTopic table
	ArticleTopic _Name	varchar	255	notnull	""	The name of the article topic
	ArticleTopic _Description	varchar	255	notnull	""	the description of the article topic
Y	Test_Id	int	4	notnull	0	Primary Key of Awareness Test table
	Test_Name	varchar	255	notnull	""	The name of a test
	Test_Content	varchar	255	notnull	""	The content of a test
Y	TestStats_Id	int	4	notnull	0	Primary Key of Awareness Test Stats Table
	TestStats _TakersTotal	int	4	notnull	0	Number of test takers of a test
	TestStats _AverageResults	int	4	notnull	0	Average score of a test
Y	TestResult_Id	int	4	notnull	0	Primary Key of Awareness Test Results table
	TestResult _Description	varchar	255	notnull	""	The description of a test result
	TestResult _Maximum	float	8	notnull	0	the maximum scored on a given test
	TestResult _Average	float	8	notnull	0	The average score of a given test
	TestResult _Feedback	varchar	255	notnull	""	The feedback of a test result

Y	TestType_Id	int	4	notnull	0	Primary Key of Awareness Test Type table
	TestType_Name	varchar	255	notnull	""	The name of the test type
	TestType _Description	varchar	255	notnull	""	The description of the test type
Y	Message_Id	int	4	notnull	0	Primary Key of Message table
	Message_Content	varchar	255	notnull	""	The content of a message
	Message _DateCreated	datetime	8	notnull	Date.Now	The date and time a message was created
Y	Application_Id	int	4	notnull	0	Primary Key of Application table
	Application _Content	varchar	255	notnull	""	The content of an application form
	Application _DateSubmitted	datetime	8	notnull	Date.Now	The date and time an application was sent
Y	Campaign_Id	int	4	notnull	0	Primary Key of Campaign table
	Campaign _DateCreted	datetime	8	notnull	Date.Now	The date and time a campaign was created
	Campaign _DateEdited	datetime	8	nullable	null	The date and time a campaign was edited
Y	Campaign Information_Id	int	4	notnull	0	Primary Key of Campaign Information table
	Campaign Information_Name	varchar	255	notnull	""	The name of a campaign
Y	Campaign Topic_id	int	4	notnull	0	Primary Key of Campaign Topic table
	Campaign	varchar	255	notnull	""	The name of a

	Topic_Name					campaign topic
	Campaign Topic_Description	varchar	255	notnull	""	The description of a campaign topic
Y	Partner_Id	int	4	notnull	0	Primary Key of Partner table
	Partner_Name	varchar	255	notnull	""	The name of a partner
	Partner _Description	varchar	255	notnull	""	The description of a partner