Sequence Description

Documentation for Surveywzrd Project

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Faculty Economics

Business informatics degree program – International Management for Business and IT

Course WWI2019E

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Java Wizards

Contents

1 Participate

When a participant want to participate at a survey he will see the SurveyEmbedded page. Here, the page needs data from the Survey table (name, description, question, question type, multi select (Boolean), company_Name, expiry_date) to show the survey. Moreover, the SurveyEmbedded page is requesting via the Answeroptions component the different answer options for this survey, which are stored in the Answer_options table. In the next step, the participant takes part in the survey. Here, the relevant data of the participant (participant_ID, Cookie_ID, platform, platform_version, device_type, browser, browser_type, browser_language, location_country, location_city) are set and stored in the Participants table. The last step is, that the participant is selecting an answer and submit it.

2 Participant Analysis

After the participant has submitted his answer, the current result of the survey will be shown. To show the result, the SurveyEmbedded page needs the data from the analysis. The Analysis component is retrieving all available data for the survey from the Survey_feedback table. In this table the Survey_ID (FK – Surveys table), answer_option_ID (FK – Answer_options table), participant_ID (FK – Participants table) and a timestamp for the submitted answers is stored. After the Analysis component has successfully simply analyzed the data, it will be sent to the SurveyEmbedded page, where the result will be presented as a simplified diagram to the participant.

3 Participant tracking

When the participant wants to participate at the survey the Participant component is checking in the Participants table if the Cookie_ID is already set for this participant. If there is already an existing Cookie_ID for this participant nothing else will happen. But if there is no existing Cookie_ID for the participant it will be generated and the platform-/version, browser-/type-/language and location will be detected from the Participant component and stored in the Participants table.

4 Create survey

When the admin wants to create a survey he can do this via the CreateSurvey page. Here, he have to enter all necessary data (name, description, question, multi select (Boolean), company_Name, expiry_date) which will be sent to the Survey component where it will transmitted to the Survey table in the database to store the data. After successfully storing the data the admin will get a feedback at the CreateSurvey page from the Survey component with the HTTP request status code 200.

5 Admin Analysis

Here, the Analytics page will request data to the survey from the admin. This request will be handled by the Analysis component which will transmit the request to the Survey_feedback table. This table will sent all available data for this survey (Survey_ID (FK – Surveys table), answer_option_ID (FK – Answer_options table), participant_ID (FK – Participants table), timestamp) back to the Analysis component which will create a detailed analysis for the admin which will be shown at the Analytics page. In addition there is the option to differentiate between the daily, weekly, and monthly results.

6 Log in

If an existing admin wants to log in he have to enter his email address and the password at the Log in / Registration Pop-up. This data will at first will be send to the Administration component where it will check in the Admins table in the database if the entered email address and password match together. After checking this the Administration component will permit or reject access which will be shown at the Log in / Registration page to the admin. Additionally, it will check if the admin is marked as an owner and if so it will permit access to the owner tools. Moreover, after a successful execution the Administration component will communicate with the AuthToken component to generate an AuthToken for the specific admin.

7 Registration

If a new admin wants to register himself he have to enter all necessary data (email, password). This data at first will be sent to the Administration component which will encrypt the password. That is necessary because it is not allowed to store 'clear' passwords in databases. After the password is successfully encrypted all the data will be sent to the Admins table in the database where the data will be stored. After a successful process the new admin get Access to the application.