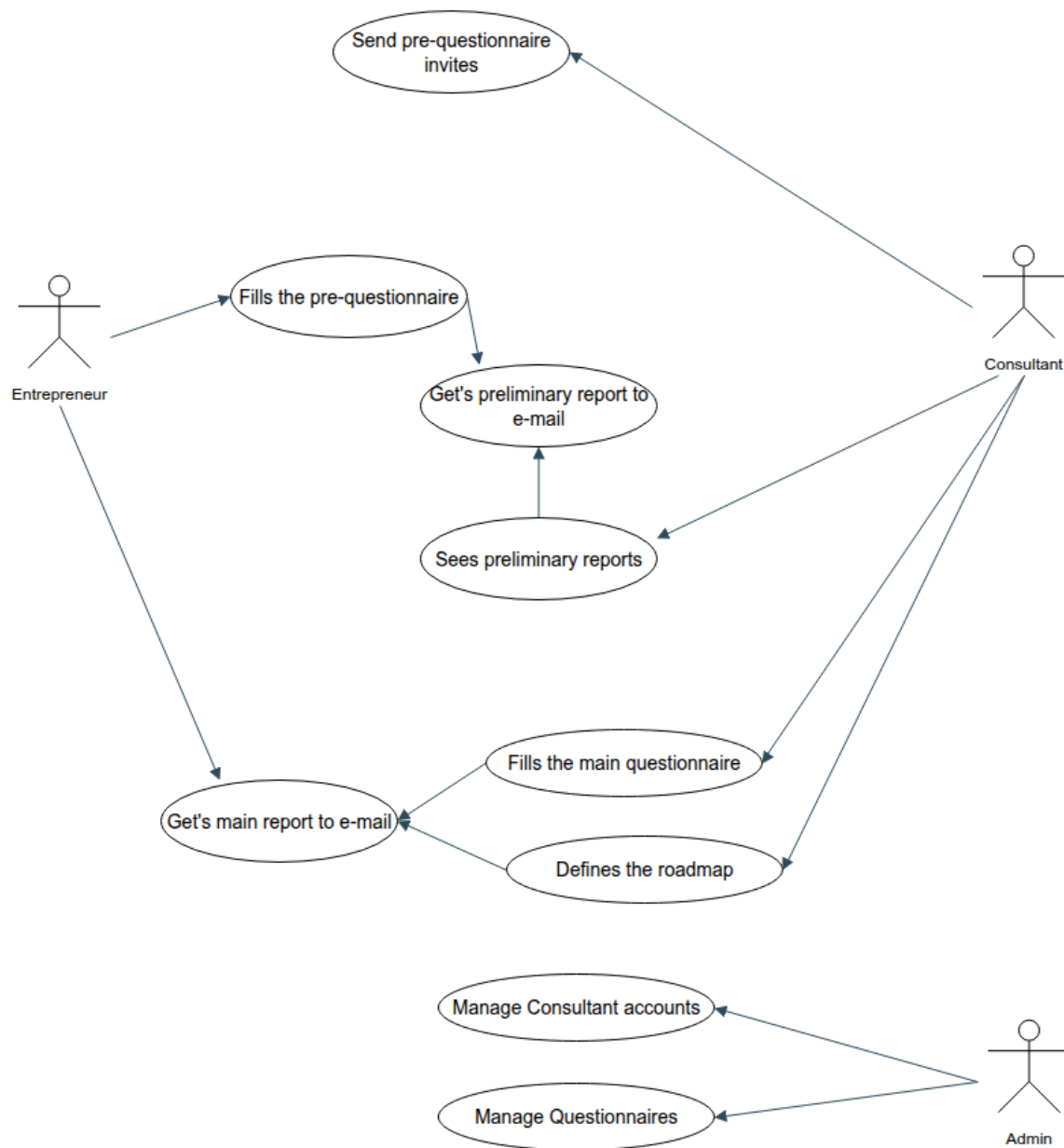


eRural online assessment tool

Users & usecases



User roles:

“Entrepreneur” - is an unauthorized user, who does not have an account in the application. Access is granted via questionnaire invitation or report links sent by e-mail/SMS/instant chat/...

“Consultant” - user who has an authorized account in the application with limited access and functionality

“Admin” - user who has an authorized account in the application with full functionality and access.

Primary Epic's and userstories:

1. Managing assessment projects

- a. As a Consultant I can add/edit customer assessment projects in application, in order to link all questionnaires and reports of the single customer under one entity
- b. As a Consultant I can create and share direct URL links to assessment questionnaires and reports so the Entrepreneur could access the dedicated resources without authorization
- c. As a Consultant I can see the statuses of each questionnaire by projects so I can track the progress of my customers
- d. As a Consultant I can see the list of answers of each questionnaire of projects I own
- e. As a Consultant I can see each reports of the projects I own

2. Preliminary questionnaire & report

- a. As an Entrepreneur I can access the dedicated preliminary questionnaire and related report by tokenized URL link without the requirement to authorize myself in the application
- b. As an Entrepreneur I can fill the preliminary questionnaire in the application in any proposed language
- c. As an Entrepreneur I can save my answers of the questionnaire gradually, so I can suspend and continue the filling of the questionnaire
- d. As an Entrepreneur I can see the preliminary report calculated based on my preliminary questionnaire answers in the application
- e. As an Entrepreneur I can download the preliminary report as PDF from the application

3. Main questionnaire & report

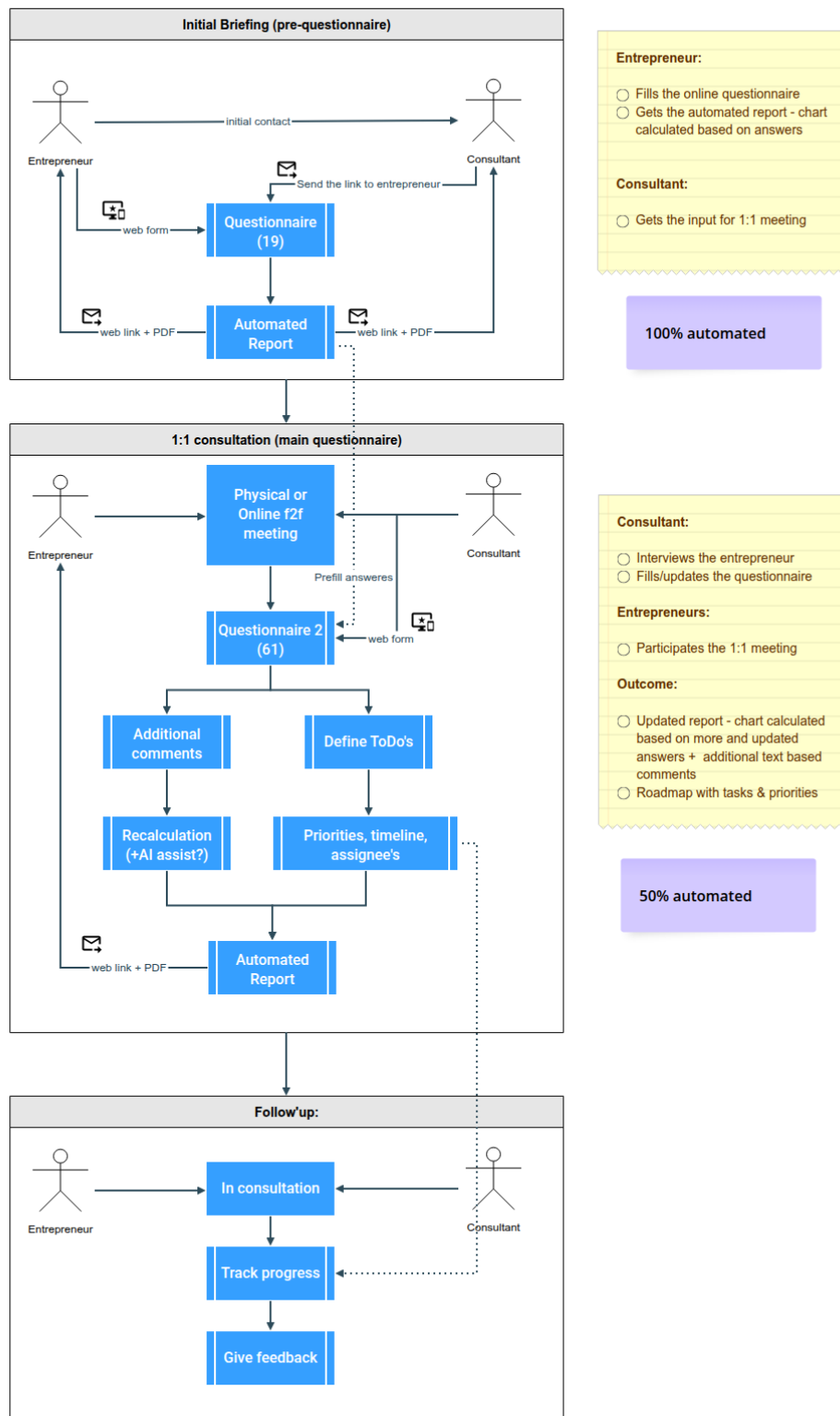
- a. As a Consultant I can start main questionnaire by pre-loading the related answers from the already completed preliminary questionnaire
- b. As a Consultant I can fill the main questionnaire in the application

- c. As a Consultant I can add additional comments to the main questionnaire either visible or not visible for the Entrepreneur on the main report
 - d. As a Consultant I can trigger the main report generation that calculates the main report based on the results and comments of the main questionnaire
 - e. As an Entrepreneur I can see the main report calculated based on the main questionnaire answers in the application
 - f. As an Entrepreneur I can download the main report as PDF from the application
- 4. E-mail Notifications**
- a. As a Consultant I can trigger the e-mail containing the URL link to the shared questionnaire or report
 - b. As a Consultant I receive an email notification if the requested preliminary questionnaire is submitted by the Entrepreneur
 - c. As an Entrepreneur I receive an email notification if the Main Report has been generated
- 5. User & Template management**
- a. As Admin I can add/edit/delete user accounts in the application
 - b. As Admin I can manage the translations of the question & answer labels used in questionnaires
 - c. As Admin I can manage the translations of the texts displayed in reports
 - d. As Admin I can manage the translations of the texts displayed in notification e-mails

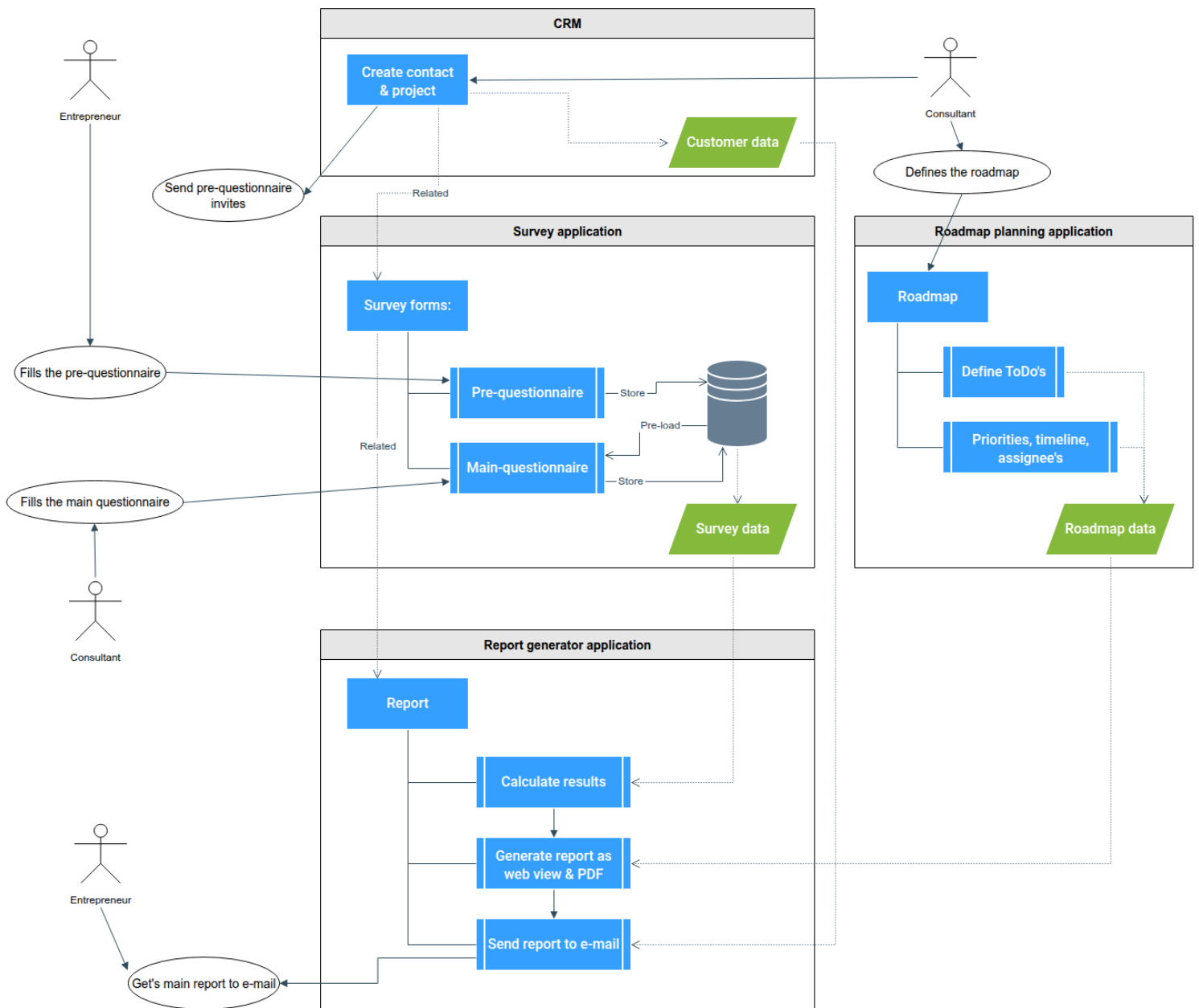
Questionnaire examples

- [Preliminary questionnaire](#)
- [Main Questionnaire](#)

Process diagram



Simplified usecase and data process diagram



Architecture & technical setup

Selected technical stack is based on either open source (preferred) and free or widely used and well supported and reasonably priced components. Application should be installable and hostable in common server hosting plans.

Application source code is stored and all the changes and updates are made into the Git repository.

Besides the source code the configuration files (and or database) need to be used. In order to set up separate instances with less effort if needed.

Tech stack initially planned (not mandatory)

- PHP backend
 - Laravel or similar framework
 - MySQL database
- HTML/CSS/JS Frontend
 - React or Vue framework
 - Survey.js
- SMTP
 - Existing e-mail account SMTP connection for sending e-mails