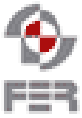
| | |
|---|---|
|      | Minutes of Meeting |

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|---|---|---|---|
| **Project** | **Social media in the Automation Industry** | **Date** | 29/10/2013 |
| | | **Start-end time** | 16:30-19:00 |
| **Responsible** | Ditmar Parmeza | **Location /type** | Zagreb/Västerås |

| **Attended by** | **Location** | **Remarks** |
|---|---|---|
| Marta Milaković | Skype | |
| Tomislav Vresk | Skype | Shared screen was used for presenting desktop mockups |
| Robert Gustavsson | ABB | |
| Dimitrios Kostopoulos | ABB | |
| Ditmar Parmeza | ABB | |
| Akhlaq Malik | ABB | |
| Pierfrancesco Ranieri | ABB | |

**OUTLINE**

1. The Customer greeted us in the main entrance and we went to a meeting room.
2. As for the Croatian sub-team, Marta and Tomislav joined the meeting through Skype.
3. The discussion about requirements started
4. Dimitris showed to the customers and supervisor the list of business requirements with priorities.

**A) Feedback related to business requirements**

5. Requirement 3 → change “everyone” to “human users” or “user with account”.
6. Requirement 12 → priority can be either high or very high.
7. Customers asked: How shall the data from the users/sensors be represented? The answer relies on the mockups that were shown in a later phase during the meeting.
8. Requirement 17 → GUI design needs to be further specified.
9. Requirement 16 → Suppose that group is defined (shift taken into consideration). Each user has its own compute. Does the employee have to change the shift where he belongs to? This part is up to the team! It should be considered to filter private messages from working posts e.g., when a user is doing another work and posts a private message.
10. Customer: History of messages must be shown.
11. Customer: Do not include future work e.g., requirement 16 in the list of business requirements.
12. Add in the business requirements: General usability. In the functional requirements, explain how this usability will be provided. In the nonfunctional requirements, explain what should be done or achieved by providing this usability (e.g., you must click twice…)
13. As for mobile device, assume that there is an internal network (internet) within the factory.
14. As for testing, take into consideration GUI testing besides the functional testing.

**B) Feedback about functional requirements**

15. The profile page can be seen as a filter. It includes basic information (email, phone etc.) Sensors may have profile pages as well, with graphical data and their position.
16. Requirement 4 →a sensor cannot upload media files!
17. Requirement 8 → it is connected to the queries in the DB.
18. Requirement 10 → assume that there is some indoor tracking i.e., when the user posts, it can be possible to view the location. It should be possible to know in which room the message was posted. This can be put in the simulator. The app will be probably tested with the GPS. Preferable: it should be possible to view the room where the message came from e.g., control room, maybe also the floor as well but not coordinates (longitude and altitude). In the DB, we can put the coordinates and the corresponding name of the room. In the UI, only the name will be possible to be shown. Some easy business logic can be included. We should consider the possibility for filtering the connection.

19. Requirement 11 → Drop-down list would be a good solution to make usability easier.
20. Requirement 12 → Remove future work!

**C) Feedback about use case diagrams**

21. Actors identified: Desktop user (not engineer), Mobile user, Simulator admin (support actor) → remove the word "admin" because there is no need for a person to interact with the system in this case. The simulator is the one which sends data.
22. Use Case Model (Desktop User) → The admin can change the predefined users => this functionality has a low priority. Problem with the diagram: It seems like a list, not use case. It should be more interesting and include the way how the actor interacts with the system. Not all of the cases are directly related to the actor. Therefore, some of them could be added as extensions of other cases.
23. Use Case Model (Mobile User) → View feeds should be also available on Mobile (however, it is included in filter). Tagging users on a post can be available also on mobile.
24. Use Case Model sensor (Simulator admin) → Supervisor and customer's concern: The simulator admin does not exist in real life. It can be renamed in "control system, simulator" so it is not considered as a person. Do not consider it as a person, but as data that is retrieved by the system.

**D) Feedback about desktop mockups**

25. MOCKUPS → Tomislav used screen sharing for showing the desktop mockups to the customers and supervisor.
26. Dashboard Vision → First impression: positive. Mixed feeds →you can select feeds according to the fact if they originate from human or sensor sources. Problem with colors: Blue color for priority is the same as the color for message! Other colors should be chosen. Specify the difference between feeds and messages in the document!
27. GaugeWidgetUI and Desktop UI in general → positive feedback from customers and supervisor. The preferred color is gray (easy to read) but it is not a high priority.
28. Ahklaq started to show Mobile Mockups.

**E) Feedback about mobile mockups**

29. Feedback about Mobile mockups: What can be added to the profile page? Something professional such as the title e.g. control engineer. History about posts made by the main user can also be included. The shift should change i.e., it will not be stable every day for example 8am-5pm.
30. Mobile mockup/activity feed: If you press the name of the user, only the activity feed related to him will be shown. What could be added? If you press in the username on top of the page, you get his contact (personal) info.
31. Mobile mockup/last shift: rename "last shift" to "previous shift". Feedback: UI is nice. Comment regarding the note 'sensor 2 is not working': It should be possible to click on

sensor 2 and get the info related to this sensor e.g., location, other info etc. Maybe, it would be good to have also some kind of map.
32. Mobile mockup/comments: It could be included a “Resolve” button to facilitate the process of solving the issues and reducing the number of comments but this is not a strict requirement! Defining the exact time of posts (e.g., 1h ago) → it is fine (no need for exact time e.g., 2h and 15 minutes ago!)
33. Mobile mockup/saved feeds: Can you filter based on time e.g., what happened yesterday from 8am to 10am? There is still not a decision about filtering! Query should be advanced and include many parameters such as information about time.
Choose a word that is more “user-friendly” than query! For example, filter would be a more appropriate word.

**F) Last points of discussion**

34. Supervisor: It can be the same person that plays both roles of desktop user and mobile user! However, the functionalities differ! It should be clarified that there is no strict separation between these two groups. This part should be included in the documentation in case that it has not been yet included.
35. Predefined sensor types: Up to the team! There might be also sensors that have multiple functions.
36. How often should the sensor send data? The history feed will be shown just in the history graph. The frequency of sending data can be flexible.
37. Big attention should be paid to non-functional requirements. The team members must be precise regarding performance issues e.g., timing constraints. In case that the precise time cannot be stated, the accurate average time shall be specified.