#### Revision History

| Version | Date        | Author(s)       | Revision Notes                                    |
|---------|-------------|-----------------|---|
| 0.0     | 17.12.2015. | Phoebe Manalang |   |
| 1.0     | 29.12.2015. | Anja Šolak      | Original client's requirement switched into SCRUM |
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#### **About DVC Solutions:**

DVC Solutions is dynamic and proactive IT company located in Banja Luka, Bosnia and Herzegovina. In past years we have worked with companies from different economic areas on domestic and foreign market and with different public institutions. We have the capacity, experience and knowledge to focus on the each client individually. With our clients we create opportunities and success. We are strongly focused and committed to quality, innovation and time. Our philosophy is: "Problems does not exist, only challenges". We value teamwork and take care of our employees because only happy and satisfied employee makes the team great, and transforms "every problem to a successfully solved challenge. We carefully pick our projects because they will define, shape and present us tomorrow. We want to keep and gain friendly, knowledgeable and professional staff that encourage, solve problems and educate our customers. More about DVC Solutions you can find on <a href="https://www.dvcsolutions.com">www.dvcsolutions.com</a>.

#### Approach description

In this document we used Scrum DVC Solutions approach, agile methodology, where we defined users' position and theirs activities.

With this approach we defined what each user does or needs to do as a part of his or hers job. This is the basis which explains what business system must develop or provide.

This user story is formed on business requirement sent from a client and in this document are listed all users of the required software. Users have different functions and needs so each of them needed special approach. This document is a baseline document and it will be changed during the implementation of the project. It purpose is to provide managerial, legal and technical starting point, together with Project charter, for project stakeholders and their understanding of objectives and scope of the project.

#### <u>User story:</u>

| ID  | Theme      | As a/an | I want to  | so that  | Notes  | Priori<br>ty | Stat<br>us |
|-----|------------|---------|--|--|--|--------------|------------|
| 1.1 | Functional | Parent  | Be able to create<br>account to get a<br>code for each<br>child              | They can<br>register on APP<br>with that code  |  |              |            |
| 1.2 | Functional | Parent  | Be able to limit in<br>which<br>categories my<br>child can ask a<br>question | I can be sure he<br>or she is active<br>only in relevant<br>categories   |  |              |            |
| 1.3 | Functional | Parent  | Be able to limit<br>which categories<br>child can answer<br>questions        | Child can't<br>access and<br>answer<br>question in a<br>category he or<br>she is not<br>related in             | Child can see only categories he or she is allowed to, other categories can't see and doesn't know they exist. |              |            |
| 1.4 | Functional | Parent  | Be able to limit<br>interaction to<br>particular age<br>group                | Child can't be in<br>a group of<br>much older or<br>much younger<br>children, child is<br>in a peer's<br>group | ,  |              |            |
| 1.5 | Functional | Parent  | Be able to limit<br>hours of use for<br>a child                              | Child doesn't<br>spend too<br>much time on<br>that application   |  |              |            |
| 1.6 | Functional | Parent  | Be able to see<br>how many<br>questions child is<br>asking/respondin<br>g to | Child's activity<br>can be<br>monitored and<br>analyzed  |  |              |            |
| 1.7 | Functional | Parent  | Be able to<br>approve/deny<br>creative<br>submissions for<br>the community   | Child's creative<br>work can be<br>monitored and<br>controlled   |  |              |            |
| 1.8 | Functional | Parent  | Be able to<br>request child's<br>account is<br>cancelled or<br>frozen        | Child identity and activtiy can be stopped till problem is solved or situation changed                         |  |              |            |
| 1.9 | Functional | Parent  | Be able to<br>request child's  | Child's activity can be  |  |              |            |

|      |                                    |        | histor:  | monitored   |   | 1 |
|------|------------------------------------|--------|--|---|---|---|
|      |                                    |        | history<br>interaction<br>(question and<br>response)                           | monitored and analyzed  |   |   |
| 1.10 | Functional                         | Parent | Be notified for emergencies  | I can react on<br>time and help a<br>child  | Parent is always notified about important questions like emergency, child's need for professional help etc. |   |
| 1.11 | Functional                         | Parent | Be able to post<br>testimonies   | Children can<br>read and learn<br>from<br>experience of<br>older  |   |   |
| 2.1  | constraints/<br>non-<br>functional | User   | Be able to create<br>an anonymous<br>profile with code<br>from parent          | I can access<br>application with<br>unique account  |   |   |
| 2.2  | Functional                         | User   | Be able to<br>choose what<br>type of questions<br>I want to answer             | I don't need to<br>answer all<br>questions<br>which are not<br>related to me or<br>my experience            |   |   |
| 2.3  | Functional                         | User   | Be able to<br>choose who will<br>answer my<br>questions                        | I can get opinion from people I consider appropriate to answer my question                                  | Child can<br>choose who<br>will be<br>responder:<br>peers,<br>professionals<br>etc.                         |   |
| 2.4  | Functional                         | User   | Be able to ask<br>parent for<br>permission to<br>open up a<br>blocked category | I can eventually access categories which were prevented but now might be related to me and all my questions |   |   |
| 2.5  | Functional                         | User   | Be able to<br>choose to ask a<br>question or post<br>creative work             | I can participate<br>and be active in<br>a community<br>and in<br>application                               |   |   |
| 2.6  | Functional                         | User   | Be able to<br>propose new<br>Categories/Topic                                  | I can start a<br>new topic<br>which is related  |   |   |

|          |              |      | S                               | to me or I have                |  |
|----------|--------------|------|---------------------------------|--------------------------------|--|
|          |              |      |                                 | a questions in it              |  |
|          |              |      |                                 | I can get an                   |  |
|          |              |      | Be able to                      | answer from a                  |  |
| 2.7      | Functional   | User | choose who will                 | point of view                  |  |
|          |              |      | answer question                 | person I<br>consider most      |  |
|          |              |      |                                 | appropriate                    |  |
|          |              |      |                                 | Communication                  |  |
|          |              |      | Be able to get                  | can be on time,                |  |
| 0.0      |              |      | real-time                       | and all                        |  |
| 2.8      | Functional   | User | response                        | questions and                  |  |
|          |              |      | according to                    | answers on                     |  |
|          |              |      | topic                           | time                           |  |
|          |              |      | Be able to                      | So that I can                  |  |
|          |              |      | choose how                      | get more                       |  |
| 2.9      | Functional   | User | many responses                  | advices and                    |  |
|          |              |      | I want                          | opinions on my                 |  |
|          |              |      |                                 | question                       |  |
|          |              |      | Be able to rate                 | So that I can show which       |  |
| 2.10     | Functional   | User | response                        | answer was the                 |  |
| 2.10     | Turictional  | 0361 | received                        | best and the                   |  |
|          |              |      | received                        | most helpful                   |  |
|          |              |      | D 11 1                          | So that I can                  |  |
|          |              |      | Be able to repost               | get appropriate                |  |
| 2.11     | Functional   | User | question if need                | answer and the                 |  |
| 2.11     | Functional   | USEI | more<br>answers/use             | best answer on                 |  |
|          |              |      | different filter                | a question I'm                 |  |
|          |              |      | different meer                  | attached to                    |  |
|          |              |      | D 11 . 11 .                     | I can manage                   |  |
|          |              |      | Be able to delete               | flagged                        |  |
| 2.12     | Functional   | User | or continue to                  | questions and<br>answers l     |  |
| 2.12     | Turictional  | USEI | post question<br>that has been  | consider                       |  |
|          |              |      | flagged                         | important or                   |  |
|          |              |      | naggea                          | inappropriate                  |  |
|          |              |      | Do oble to see                  | I can now that                 |  |
|          |              |      | Be able to see notifications of | there is                       |  |
| 2.13     | Functional   | User | questions and/or                | question or                    |  |
| 2.10     | i dilotional | 0301 | responses of                    | answer that I                  |  |
|          |              |      | questions                       | didn't read                    |  |
| <u> </u> |              |      | '                               | before                         |  |
|          |              |      |                                 | So that I can track my history |  |
|          |              |      | Be able to                      | and find                       |  |
|          |              |      | choose to view                  | information that               |  |
| 2.14     | Functional   | User | history of past                 | I have but                     |  |
|          |              |      | questions/answe                 | maybe forgot or                |  |
|          |              |      | rs                              | I just need to                 |  |
|          |              |      |                                 | see it again                   |  |
|          |              |      | Be able to be                   | I can find                     |  |
|          |              |      | redirected to                   | immediately                    |  |
| 2.15     | Functional   | User | common                          | answer on my                   |  |
|          |              |      | responses to the                | question if it is              |  |
|          |              |      | question                        | '                              |  |

|      |            |               |  | already written   |  |  |
|------|------------|---------------|--|---|--|--|
| 2.16 | Functional | User          | Be able to post<br>creative work to<br>gallery - articles,<br>artwork, songs | and available Can express my creative work and let other see that   |  |  |
| 2.17 |            | User          | Be able to gain<br>knowledge<br>points                                       | So that I can advance in the social (recognition) structure   |  |  |
| 2.18 | Functional | User          | Be able to get<br>professional help  | Someone can<br>help me solve<br>my important<br>problem   |  |  |
| 2.19 | Functional | User          | Be able to register for events/seminars                                      | I can attend<br>events/seminar<br>s I like or want  |  |  |
| 2.20 | Functional | User          | Be able to search<br>public<br>categories/quest<br>ions/answers              | I can see all<br>things which<br>are available, it<br>can be useful<br>and give<br>information and<br>solution before<br>I ask for them               | Only questions/an swers who are marked as public from both sides (user's and responder's) can be public      |  |
| 2.21 | Functional | User          | Be able to use<br>emergency<br>button for<br>immediate help                  | I can alert<br>parents and<br>institutions<br>when I need<br>that   | Check what kind of permission we need (from institutions) and how we can connect software with police office |  |
| 2.22 | Functional | User          | Be able to post<br>testimony   | My peers can<br>learn from my<br>experience and<br>see that they<br>are not the only<br>one who are in<br>that specific<br>situation (good<br>or bad) |  |  |
| 3.1  | Functional | Respon<br>der | Be able to<br>receive a<br>notification of<br>question to<br>answer          | I can now there<br>is a question I<br>need to answer  |  |  |
| 3.2  | Functional | Respon<br>der | Be able to<br>choose to be<br>active or inactive                             | I can manage<br>my time   |  |  |

|     |            |                            | for questions   |   |   |  |
|-----|------------|----------------------------|---|---|---|--|
| 3.3 | Functional | Respon<br>der<br>(Payroll) | Be able to<br>choose schedule<br>of available<br>times to respond<br>to questions             | I can manage<br>my time and<br>define time<br>when I'm<br>available for<br>working on<br>question                                   | When clients provide role pyramid, check does this responder need special account (in regard to other responders) |  |
| 3.4 | Functional | Respon<br>der              | Be able to<br>decline to<br>answer a<br>question with<br>reason why                           | I can have freedom not to answer If I consider I'm not appropriate for or maybe I can't answer, but with an explanation why         |   |  |
| 3.5 | Functional | Respon<br>der              | Be to respond to<br>question  | I can answer to someone   |   |  |
| 3.6 | Functional | Respon<br>der              | Be able to<br>choose what<br>type of questions<br>to answer                                   | I can be sure<br>that I'm<br>answering only<br>on questions I<br>can and I know   |   |  |
| 3.7 | Functional | Respon<br>der              | Be able to<br>choose if<br>answer (if rated<br>high) will be<br>added to the<br>public search | Anyone can see<br>that answer   |   |  |
| 3.8 | Functional | Respon<br>der              | Be able to<br>escalate a<br>question  | I can express myself that I consider that person is in some kind serious mood or situation and that someone should check him or her |   |  |
| 3.9 | Functional | Respon<br>der<br>(Payroll) | Be able to use<br>emergency<br>button for user  | I can alert everyone who should be alerted if I consider some user needs emergency  |   |  |
| 4.1 | Functional | User/Re<br>sponder         | Be able to report<br>emergency<br>situation to<br>appropriate                                 | I can help<br>someone who<br>need help  |   |  |

|     |            |                    | authorities  |   |   |  |
|-----|------------|--------------------|--|---|---|--|
| 4.2 | Functional | User/Re<br>sponder | Be able to see<br>common<br>responses to<br>commonly asked<br>questions        | I don't have to<br>ask that<br>question again<br>or I could<br>redirect person<br>who already<br>asked question<br>which is<br>common on an<br>answer |   |  |
| 4.3 | Functional | User/Re<br>sponder | Be able to modify question/answer  | I can fix grammar mistakes or to rewrite a question to be more understandable before I send it  |   |  |
| 4.4 | Functional | User/Re<br>sponder | Be able to escalate/report inappropriate behaviour to freeze a user account    | I can show that<br>someone<br>needs attention<br>and that<br>something is<br>not good   | Client should<br>provide a list<br>with key<br>words to<br>project team             |  |
| 5.1 | Functional | Oversigh<br>t      | Be able to freeze<br>a user's account  | I can react on<br>those kind of<br>situations   |   |  |
| 5.2 | Functional | Oversigh<br>t      | Be able to locate<br>user for<br>emergency<br>dispatch - Local<br>Base Service | I can provide<br>help to that<br>user   | LBS will be provided by GPS for mobile devices and via IP address for desktop users |  |
| 5.3 | Functional | Oversigh<br>t      | Be able to<br>approve creative<br>work   | Users are not<br>allowed to do<br>something<br>before it is<br>checked and<br>approved  |   |  |
| 5.4 | Functional | Oversigh<br>t      | Be able to<br>approve<br>testimonies   | We can be sure<br>that approved<br>testimonies are<br>not offensive,<br>racist  |   |  |
| 6.1 | Functional | Sales              | Be able to track<br>revenue<br>generated and by<br>category                    | We can<br>manage costs<br>and incomes   |   |  |
| 6.2 | Functional | Sales              | Be able to donate to organization  | Organization<br>can be helped<br>from people or<br>institution  |   |  |

|     |            |               |   | which want to   |   |  |
|-----|------------|---------------|---|---|---|--|
|     |            |               |   | help  |   |  |
| 7.1 | Functional | Educatio<br>n | Be able to post<br>question of the<br>day                                     | I can initiate and manage deeper communication learning process within topic of the day and relevant post     |   |  |
| 7.2 | Functional | Educatio<br>n | Be able to post<br>topic of the day   | I can initiate, manage communication and learning process within the month theme                              |   |  |
| 7.3 | Functional | Educatio<br>n | Be able to post<br>events/seminars  | I can promote<br>events and to<br>achieve bigger<br>reach within the<br>targeted<br>population                |   |  |
| 8.1 | Functional | Payroll       | Be able to track how many questions answered by each member of oversight team | I can use that<br>data for<br>analytics   |   |  |
| 8.2 | Functional | Payroll       | Be able to track<br>hours logged for<br>professional<br>team                  | I can see and<br>use data which<br>includes<br>professional<br>team enrolment                                 |   |  |
| 9.1 | Functional | Metrics       | Be able to run<br>demographical<br>report                                     | We can have<br>analytics and to<br>use those data<br>for marketing<br>purpose and to<br>improve the<br>system | That means when someone creates account needs to fill in demographic al questions |  |
| 9.2 | Functional | Metrics       | Be able to run<br>usage reports   | We can have analytics and to use those data for marketing purpose and to improve the system                   |   |  |
| 9.3 | Functional | Metrics       | Be able to run<br>response time<br>reports                                    | We can have<br>analytics and to<br>use those data<br>for marketing<br>purpose and to                          |   |  |

|       | 1                                  |         |  |   |  | , , | - |
|-------|------------------------------------|---------|--|---|--|-----|---|
|       |                                    |         |  | improve the   |  |     |   |
| 9.4   | Functional                         | Metrics | Be able to run<br>escalation<br>reports by words<br>and phrases                | system We can have analytics and to use those data for marketing purpose and to improve the | Keywords<br>need to be<br>set and set<br>from a client<br>to project         |     |   |
|       |                                    |         | Be able to   | system  | team   |     |   |
| 10.1  | constraints/<br>non-<br>functional | IT      | redirect user to<br>common<br>responses to<br>their question                   | They can get<br>question<br>immediately   |  |     |   |
| 10.2  | constraints/<br>non-<br>functional | ΙΤ      | Be able to<br>populate<br>question and<br>responses to<br>FAQ's                | Users can find<br>them in one<br>place  |  |     |   |
| 10.3  | constraints/<br>non-<br>functional | IT      | Be able to<br>escalate key<br>words and<br>phrases to<br>oversight team        | They can react<br>if user use<br>some of those<br>terms                                     | Keywords<br>need to be<br>set and set<br>from a client<br>to project<br>team |     |   |
| 10.4  | constraints/<br>non-<br>functional | IT      | Be able to automatically freeze a client account according to escalation scale | Client can't be<br>active till<br>situations is<br>solved                                   |  |     |   |
| 10.5  | constraints/<br>non-<br>functional | ΙΤ      | Be able to<br>categorize users<br>by usage                                     | They can be grouped by usage  |  |     |   |
| 10.6  | constraints/<br>non-<br>functional | ΙΤ      | Be able to track<br>usage time   | Users can be<br>limited (parents<br>give limits) and<br>for metrics                         |  |     |   |
| 10.7  | constraints/<br>non-<br>functional | ΙΤ      | Be able to track<br>user issues  | We can use<br>those data to<br>create statistic   |  |     |   |
| 10.8  | constraints/<br>non-<br>functional | IT      | Be able to<br>archive QOD and<br>TOD   | They are<br>available for<br>statistics   |  |     |   |
| 10.9  | constraints/<br>non-<br>functional | ΙΤ      | Be able to create<br>unique user ID's<br>for anonymity                         | Each user can<br>have unique<br>access and<br>account                                       |  |     |   |
| 10.10 | constraints/<br>non-<br>functional | IT      | Be able to track<br>and store<br>interaction<br>between user<br>and responder  | System can<br>manage and<br>control<br>communication<br>for users safety                    |  |     |   |
| 10.11 | constraints/<br>non-<br>functional | IT      | Be able to<br>encrypt<br>children's  | We have<br>system which<br>protects   |  |     |   |

|       |                                    |    | information   | personal and<br>private<br>information of<br>each child       |  |  |
|-------|------------------------------------|----|---|---|--|--|
| 10.12 | Functional                         | IT | Be able to create<br>initial profile<br>(demographical<br>points)                             | System could<br>track and<br>collect<br>demographical<br>data | All accounts<br>need<br>demographic<br>al points |  |
| 10.13 | constraints/<br>non-<br>functional | IT | Be able to create<br>parent<br>awareness e-<br>mail approval<br>process                       | Each parent<br>have control<br>over child<br>activity         |  |  |
| 10.14 | constraints/<br>non-<br>functional | IT | Be able to<br>separate user<br>into two groups-<br>9 - 13 and 14 - 18                         | They can be in<br>a groups with<br>peers                      |  |  |
| 10.15 | constraints/<br>non-<br>functional | ΙΤ | Be able to<br>generate safety<br>message for<br>recommended<br>action for<br>flagged activity | We can react<br>on specific<br>serious<br>situations          |  |  |
| 10.16 | constraints/<br>non-<br>functional | IT | Be able to work<br>on iOS and<br>Android platform   | Users can use<br>system on all<br>mobile devices              |  |  |
| 10.17 | constraints/<br>non-<br>functional | ΙΤ | Be able to use on computer/laptop<br>/tablet  | Users can use<br>system on all<br>mobile devices              |  |  |

#### "User Stories" Approvals

| Project Executive Sponsor — Phoebe Ma | nalang Date |
|---------------------------------------|-------------|
| Project Sponsor — Phoebe Manalang     | <br>Date    |
| Scrum Master — Bojan Vuković          | Date        |
| Product Owner: Anja Šolak             | Date        |
| Project Controller: MSc Miloje Seksan | <br>Date    |