

User stories DASH

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Connect

User story #1

I want to get a list of all our projects in RSR, with the number of updates on each project and when they were last updated

User scenario #1

I am a Monitoring and Evaluation specialist at Simavi. We have a project portfolio of 100 projects, spread of 10 countries. Every month, I need to give a short presentation to the Management Team about how things are going with the projects. To do that, I need to both create a map showing where the projects are, their status, and when they have last been updated. The first thing I want to do in DASH is to connect to our projects in RSR.

User story #2

I want to get all the indicator data from a specific project in RSR

User scenario #2

I am a project officer in a small NGO in Uganda. We use Akvo RSR to report on our projects, and we use it to enter the monitoring data in our results framework. I'd like to create a small dashboard for our field workers, so they can see the result of their work. Preferably, I'd like them to see it on their mobile device, as they don't have access to a computer.

User story #3

I want to get the data for three FLOW surveys, so that I can compare the results

User scenario #3

I am M&E specialist at Water for People. Every year, we do the same survey in 20 countries, with questions about the water projects we do. I now have 5 different surveys, Bolivia_2011 to Bolivia_2015, and I'd like to get all the data in DASH so I can compare the functionality over time.

User story #4

I want to load population density data, so I can use it as a layer in a visualisation

User scenario #4

I am project officer for WakaWaka and I'm based in our Rwanda office, where we are expanding our operations. I am responsible to grow the market for solar lamps in Rwanda. I have data on where we sell things, and I want to know if there are places with a lot of population nearby that we could expand our market to. I have heard that there is population density data available on the internet, and I'd love to combine that with our actual sales data. For that, I would like to see a map

showing the fine-grained population data, and overlay it with the locations and numbers of our sales. To do this, the sales locations should be represented with a circle with a radius dependent on the actual sales figures.

User story #5

I want to load data on specific indicators from data.worldbank.org and gapminder.org

User scenario #5

I am a senior strategist at SNV, and I need to make an overview for our Management Team about the priorities of our programmes. I'd like to show them a map where I can select some indicators such as average life span, development index, etc. and overlay it with the countries we work in. For that, I'd like to get the data from the world bank, as they have a lot of indicators on country level. There are lots of data providers with data relevant for development, such as FAO, International Labour Organisation, WHO, Lancet, Gapminder etc. It would be great if there was an easy way to access these.

User story #6

I want to upload an Excel file I have with financial data. I also have some SPSS, Strata and csv files I'd like to load in.

User scenario #6

I am financial officer at the regional level government in Ghana. I have an excel file in which I keep the expenditures for each of the 25 districts we have in our region. I'd like to make a map in which I can visualise how much money is going to each of these districts, and also show the population density. That is why I'd like to upload the excel file. In addition, I have some csv files with old data, and I some SPSS files that I'd like to upload.

User story #6a

I want the dashboard I have created to be updated every day

User scenario #6a

I am a UNICEF officer, and have created a dashboard for Vanuatu. We are still collecting data, so it is important that the dashboard is up to data. Ideally, I would like the dashboard to load the latest data from FLOW every 5 minutes or so, but if that is not possible, at least daily at a moment I choose, so it is fresh in the morning, when we are using it to plan activities.

Transform

User story #7

I want to aggregate data on the day of the week and on hour of the day

User scenario #7

I am a field manager in charge of overseeing large scale data collection in Indonesia. We have about 100 enumerators working for us, and I need to do some

checking on if they are performing ok. I have already connected to the data source, which has the raw data of the forms they have filled in. In there, there is the time at which the form was submitted.

What I would like to do is a quick analysis to see if they which days and hours of the day the enumerators are most active. To accomplish that, I need a simple way to aggregate the numbers by day of the week, and for another check I'd like to aggregate by hour of the day. I need a simple way to create some kind of 'derived' data set, that I can refer to later when I want to do my visualisation.

User story #8

I want to filter my data by region

User scenario #8

I am planning officer at local government in Ghana. I have access to the survey of all water pumps in Ghana, but I am only interested in my own region. So I'd like a way to filter a data set by region, and then to use that as my starting point for other explorations.

User story #9

I want to compute a score that combines the data in different columns

User scenario #9

I am a programme officer in Zambia, at the FAO. We have conducted a large HFIAS food security survey on 10.000 households. From the answers, there is a standard ways to determine if a household is food insecure or not. It consists of combining 5 of the questions. I'd like a way that I can create a new column in the data, and fill it with the computed results. As I am not very good with formulas, I'd like a very visual way of constructing the formula.

User story #10

I want to group data points per region, but I only have the coordinates

User scenario #10

I am an agricultural extension worker, working for the FAO. I have collected a lot of farmer data, but the records only have the latitude and longitude of each farm. However, I need to prepare a presentation showing the number of farms per region and per district. So I need a way to enrich the data set with the region and district, based on the lat-lon position. This needs to be done with reverse geocoding? I'd like it to be explicit which data set is being used to accomplish this (such as GAUL).

User story #11

I want to be able to read and analyse numeric indicator data from RSR projects and from IATI files.

User scenario #11

I am project manager at ICCO, and I'd like to analyse which organisations we work with deliver their results on time, and which often lag behind. That is why I'd like to

read in RSR data on results, indicators, target and actual values, and analyse the trends.

User story #12

I want to do data cleaning in DASH

User scenario #12

I am project officer at the Ghana government, in charge of data collection. We have completed data collection, but by accident, the question about which type of waterpoint was present was a free text question. So there is a lot of variation in how people typed this data. I understand that I can't edit the original FLOW data in DASH, but I'd like to clean it up a bit for my analysis. For example, I'd like to see what are the unique values that were used in that column, and how often each of them occur. And then it should be easy to filter the data set on a specific value, and bulk edit it. Just as in Open Refine, for example.

User story #13

I need to join two or more data sets, on a common identifier

User scenario #13

I work at WakaWaka. We have collected data points on our sales agents in a separate survey, in which we gave each of them a unique id. When our dealers bring wakawaka lamps to the sales agents, they put in the id of the agent. This is done in a separate survey, that tracks the distribution. Now, I'd like to make a report about how many lamps have been delivered at which sales agent. In the report, I want to show the name and location of the sales agent, and the total number of lamps that were delivered. For that, I need to join the two data sets on the unique id of the sales agent. I want to define the report in such a way that when I run it, it always only takes the data of the current month.

User story #14

I need an easy way to see which data points contain invalid data, so I can correct it

User scenario #14

I am a data scientist, and I have connected to a large data set with household data. However, some of the column types are free text, while there should be numbers inside them. I want to interpret the column as numbers, but I know some of the rows will give errors. I'd like an easy way to see which rows contain invalid data.

At some point I worked with Trifacta, and they had a really nice user interface. Basically, at the top of the column they have a small visualization (histogram) of both the distribution of values in that column, and a narrow bar that visualises the data quality. If there is something wrong somewhere, there is a small red patch. A bit like how search works in browsers: on the right, the scrollbar has small yellow lines where a search term appears.

User story #15

I want to capture and replay analysis steps on different data sets

User scenario #15

I am M&E officer at Water for People. We run identical surveys in 20 countries. I need to prepare the same report for all of them. The thing is, that I need to do some data enrichment (adding the region from the location) and data cleaning (put capitals on all answers) on all datasets first, and it will be the same for all data sources. What I would like is if there was a way that I could somehow 'record' or 'save' the steps I take in transforming the data, so I can 'replay' them on another data set. For example, a bit how Google Refine enable that, and Trifacta also makes it possible. It would also enable me to share with others how I have cleaned the data.

User story #16

I need to undo the last transform step

User scenario #16

I am a field officer for SNV, and I am analysing some data. I have already made some analysis steps, but by accident I have now done a faulty bulk editing on a large number of rows, and I need to reverse it. Where is the 'undo' button?

Visualise

User story #17

I want to make a simple histogram and chart for some data I have

User scenario #17

I am a project officer for ICCO, and I'd like to create an overview of our project portfolio. I have already transformed the data so now I have a data set with the number of projects per country. I'd like to make a histogram of this data, with on the horizontal axis the countries, and vertically the number of projects. In addition, I'd like to make a pie chart showing the same information. I also have some performance information that I want to plot versus target, and I have some scoring data for a traffic light visualisation.

When I am happy with the visualisation, I'd like to save it and give it a name, so I can go back to it easily later.

User story #18

I want to combine some charts in a dashboard

User scenario #18

I am a project officer at DORP, in Bangladesh. We collect data using a number of surveys, and I'd like to show the results on a dashboard for our field workers. I have already created the different visualisations in an earlier step, and now I would like to combine them in a single dashboard, preferably by some simple drag-and-drop interface. I have worked with KlipFolio before, and their user interface is quite nice.

User story #19

I want my dashboard to be dynamic, so people can select which region they want to see

User scenario #19

I'm the same project officer of DORP as above. People were really impressed by my first dashboard, but said it was a bit static. The users would like to be able to filter the data by region. All the visualisations on the dashboards then would need to filter their data on this same property. Would that be possible?

User story #20

I have a number of stakeholders, and I want to make a dashboard for each of them

User scenario #20

Again, I am the same project officer of DORP as above. Our field staff really love my dashboards, and they have asked me to create a dashboard for all our 10 result areas. As this is a lot of information, I was wondering if it would be possible to create a dashboard with tabs, so users can easily select which dashboard they want to see. In that way it would be easy to make 10 dashboards, one for each of our result areas.

User story #21

I want to create a pivot table of my data, with pump type and region

User scenario #21

I work at the country level government in Ghana at CWSA, and I have been given the task to find out if it feasible to standardise the type of handpump that is used in Ghana. I have already connected to the FLOW survey that has all the data for the whole country. Now, I'd like to make a table that shows for each region, which types of handpumps are most common, as a percentage of the total. If I had that, I could draw some conclusions.

User story #21a

I want to make a timeline of some indicators that are calculated every month.

User scenario #21a

I am a sector specialist in agriculture, and we run a large-scale sustainable forestry program. For that, we have 6000 farmers that we visit every month. One of the questions we ask is about their monetary situation. I would like to see a graph about which percentage of farmers gives a certain answer, as a timeline per month. I want to use this to find out when the farmers are most financially insecure.

Publish

User story #22

I want to publish both single visualisations as complete dashboards

User scenario #22

I am data scientist at WHO. I have made a lot of visualisations, and a number of dashboards as well. Sometimes, I want to simply embed a single graph or chart in a website, while at other times, I want to embed a whole dashboard. So I'd like to be able to publish both individual visualisations, as whole dashboards.

User story #23

I want people to access my visualisations on both pc's and mobile devices

User scenario #23

I am project officer at the Ghana government. Our field workers in the districts are in charge of collecting data, and I would like to be able to show them the result of their hard work, in order to motivate them for collecting good data. However, they don't have access to computers, just their smartphones. So I need my dashboards and visualisations to render on smartphones.

To do this, I want to make the analysis of results available to them on their smartphones. I also want the analysis to be per district, so they only see what is directly relevant to them.

User story #24

I need to download a quick image for a visualisation I've made, so I can include it in a report

User scenario #24

I am a project officer at Simavi. I have made a visualisation that I am very pleased with, and I'd like to put it in my report. Where is the download button? I'd like to have it available in common image formats.

User story #25

I want to send a link by email to some people, so they can see my visualisation

User scenario #25

I am a project officer at SNV. I have made a nice visualisation, and I'd like to send it around for feedback to some colleagues. They shouldn't need to login in order to see it. The easiest would be if I can just send them an email with a link to the visualisation, so they can click on it, and see the visualisation. For example how it is done in CartoDB.

User story #26

I want people to be able to see my visualisation, but only if they have the right password

User scenario #26

I am project officer at SNV, and I have made a nice visualisation of where we work. I'd like to share it internally, but I don't want it to be public. I'd like to put a simple password on it, so when people click on the link of the visualisation, they first need to enter the password, like in Vimeo.

User story #27

I want people to be able to see my visualisation, but only if they are logged in with their personal account and have the proper rights.

User scenario #27

I am a health officer at UNICEF, and have made some dashboards based on patient data. As this is very sensitive data, I need a lot of control on who can see what. Some dashboards should be accessible by some people and not by others. That is why I would like to define users, and organise them into groups. Whenever I publish something, I could then select which group of users have access to the dashboard when they are logged in.

User story #28

I want to include my visualisation and dashboards in websites using iframes

User scenario #28

I am project officer at DORP, in Bangladesh. I have made some really nice dashboards, but I'd like to embed them in the DORP website. Our website is wordpress, and I know how to embed iframes. I'd like to have a simple way to generate the iframe code, including the ability to specify the size.

User story #29

I want to publish my data publicly and make it easy to find and understand.

User scenario #29

I am a project officer in Ghana, and we have a dataset which shows all the waterpoints and pumps in the country. We want to share this data to everyone. I would like to do this from within the application where I created the dataset. When we share it we want to make sure that the dataset has the right license, the description of how it was collected and what it contains is published as well. It would be great if the description was searchable and maybe even visible across many places which hold such data.

User story #33

I need to customise the look and feel of my dashboards.

User scenario #33

I am responsible for the websites at SNV and I want to customise the look and feel of the dashboards to fit our corporate profile. I want to have a logo, custom CSS for styling and colour, and a custom domain (<https://dashboard.snv.org>).

Administration

Note: these user scenarios interact with the suggested Akvo DASH pricing model. The pricing model should be considered a requirement.

User story #30

I want to invite more users.

User scenario #30

I am a project officer in Ghana and I want to invite more users. My subscription to Akvo DASH is only for 20 users and now I need to invite 10 more users. I want to be able to send a link to a signup form, or actually enter the email address and send out an invitation to the new user. I need to increase my subscription and get an invoice sent or enter a credit card for the additional payment. If my users don't respond I want to be able to resend the invite email.

User story #31

I want to assign read-only rights to particular users

User scenario #31

I want an easy way to invite read-only users, and assign rights to view only particular dashboards.

User story #32

I want to transfer the dashboards and managed datasets from one user to another.

User scenario #32

I am a project officer at SNV. I have a user (user1) whose role has changed and I need to now transfer the dashboards and datasets that this user manages to a new user (user2).

User story #34

I want an overview of the resources my users use.

User scenario #34

I am a system administrator at SNV and I would like to see how many users, read-only users, datasets, dashboards and published dashboards we have as part of our team. I need this to know if I need to go to a higher paid tier.

User story #35

I want a transaction log of changes/additions my users have performed.

User scenario #35

I am a system administrator at SNV and I would like to see how what changes/additions to users, data and dashboards that my users have performed.

User story #36

I want to see web traffic to our public dashboards.

User scenario #36

I want a way to track traffic to our public dashboards. Preferably with my tool of choice (Google Analytics, Piwik or equivalent).

User story #37

I want to increase the security for my user accounts.

User scenario #37

I am a system administrator at SNV and I would like to have increased user security for user accounts, preferably with industry standard two factor authentication.

User story #38

I want to be able to divide the dashboard into separate folders, so I can better manage what users have access to.

User scenario #38

I am system administrator at SNV, and I have hundreds of users that will be using DASH. Therefore, there will be hundreds of visualisations and dashboards created. To manage this, the dashboard definitions should be organised in folders and subfolders, which I can give users access to.