



Self-authoring templates for modules

Version 0.3

Deliverable 5.1

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Document versions:

Version	Date	Changes	Author/s
v0.1	20.03.2019	Outline and draft of document and information architecture (draft)	Thomas Layer-Wagner, Christoph Wörgerbauer, Irina Paraschivoiu
v0.2	25.06.2019	Update and Revision Acquisition Process, Integration Intensity and Technical Service Integration (draft)	Thomas Layer-Wagner, Christoph Wörgerbauer, Irina Paraschivoiu
v0.3	30.09.2019	Update and Revision (draft)	Thomas Layer-Wagner, Irina Paraschivoiu

List of abbreviations

IA	Information Architecture
POI	Point of Interest
Dx	Deliverable Number X
Tx	Task number X
WPx	Work package number X

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1 Executive Summary

This deliverable is part of Work Package 5: Community of Practice for Curating SimpliCITY services and the current version represents a work in progress document in a draft status.

It provides insight in the process of the development of the self-authoring templates for service providers and city managers. It builds on the information of D2.2 Mapping of Regional Sustainability Services Report and task T6.1. Identification of requirements in pilot cities and is tied to task T3.4 Conceptual design of SimpliCITY architecture, data models and user experience to specify data.

This deliverable is primarily targeted at consortium members, for a proper planning and preparation of content material in the form of self-authoring templates available for service providers and city managers for the SimpliCITY pilot phases.

The next step will be to create forms out of the data templates to collect data and later integrate these forms as part of SimpliCITY in the admin backend to manage and maintain the data on the platform. This document and the resulting self-authoring templates are work in progress throughout the active development of SimpliCITY and will be expanded and adapted as needed throughout the iterative design and development process.

2 Administrative Information

Basic information on the SimpliCITY project and the present deliverable:

Project title	SimpliCITY - Marketplace for user-centered sustainability services
Project coordinator	Salzburg Research Forschungsgesellschaft mbH (SRFG), Salzburg, Austria; project manager: Petra Stabauer BSc MSc
Project partners	Polycular OG, Hallein, Austria Stadt Salzburg (City of Salzburg), Austria Salzburger Institut für Raumordnung und Wohnen – SIR (Salzburg Institute for Regional Planning & Housing), Salzburg, Austria Uppsala Kommun (City of Uppsala), Sweden University of Uppsala, Sweden
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3 Data Specification and Information Architecture

This deliverable provides insight in the process of the development of the self-authoring templates for service providers and city managers and is currently available in a draft version as a work in progress document. It builds on the information of D2.2 Mapping of Regional Sustainability Services Report and task T6.1. Identification of requirements in pilot cities and is tied to task T3.4 Conceptual design of SimpliCITY architecture, data models and user experience to specify data. This data specification is not only the basis for the self-authoring templates, but also informs the design and planning in WP3 SimliCITY platform architecture and concept of service aggregation, WP4 SimpliCITY platform and tool development and WP1 project management with the deliverable D1.5 Data management and ethics plan.

This deliverable is primarily targeted at consortium members, for a proper planning and preparation of content material in the form of self-authoring templates available for service providers and city managers for the SimpliCITY pilot phases.

3.1 Information Architecture

Figure 1 Information Architecture gives an overview of the data and information architecture in the app client as planned in the design and development process. It shows the grouping and connection between the SimpliCITY modules. Main categories are the Activities, Dashboard/Profile and Service Listing.

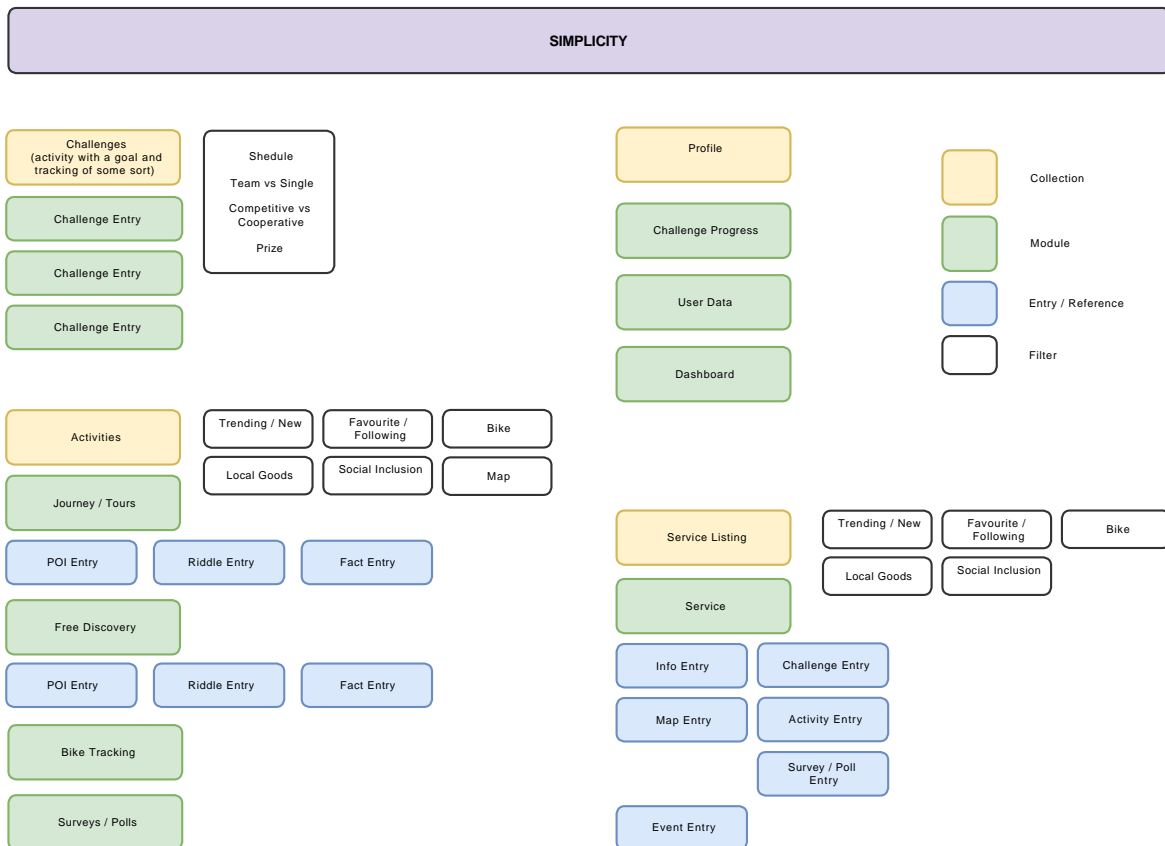


Figure 1 Information Architecture: shows the grouping of modules and data in the client app

Activities contain all the actions citizens are engaged through the SimpliCITY app client and will be available as information on the SimpliCITY website. It also contains the challenge entries, which are closely related to the activities in the app. Dashboard/Profile will be available to all signed up users to overlook challenges, track their progress and get an overall perspective on the progress of city and district challenges. It will be available on both the SimpliCITY app client and SimpliCITY website. The Service Listing is an overview of the available service providers but offers the opportunity to filter and provides a map view of the available services.

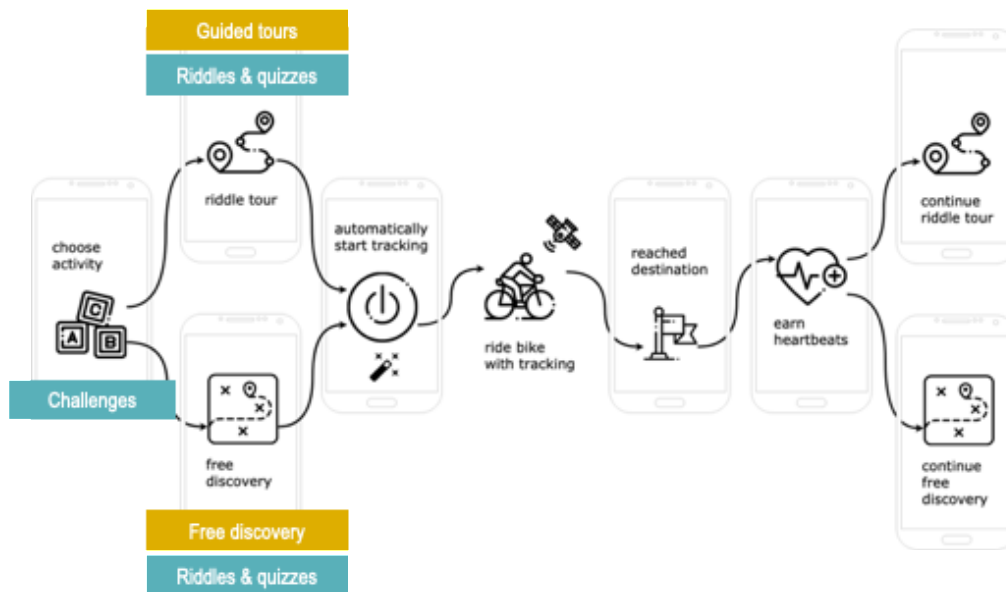
To get a better understand of the activities in the app see the descriptions from the user journeys in the next section.

User Journey Draft | Daily Tracking



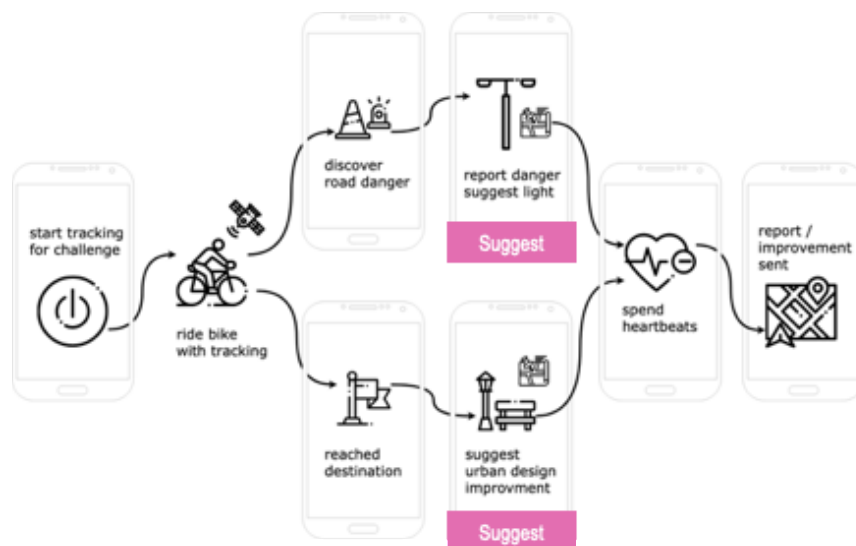
Tracking is at the very centre of the bike challenges and activities. Activating the tracking will be easy and fast. Reaching a destination, the app rewards the user with heartbeats. Users will always be able to check their progress in challenges and personal statistics in the dashboard. Reaching a threshold also reward the users with achievements.

User Journey Draft | Tours and Free Discovery



To create a link between the service listings and activities we introduce digitally guided tour and a free discovery activity. Both serve as a playful way to inform and engage people with services to test and use. These additional activities also reward the users with heartbeats.

User Journey Draft | Feedback 1/2



The users can choose from a given set of urban design improvements to make suggestions and report issues. To prevent spam, you temporarily spend heartbeats for each suggestion or report.

3.2 Data Specification

The data specification gives an overview of the data associated with certain modules of SimpliCITY. Also see D3.4 especially user journey to understand the relation of modules and the data.

3.2.1 Points of Interest (POIs)

A point of interest (POI) is a location that can be shown in different context within SimpliCITY. Data for the POI can either be pulled and edited through the import of open data or integration of APIs available on the city or service provider level or can directly be feed in by service providers and city managers. It is meant to be used in Activities such as Tours, Free Discovery but also in the Service Provider Listing.

Category	Description
title	Point of Interest name
location	GEO coordinates
tags	Labels to classify Point of Interest
riddles	Association to location riddle
description	What's the Point of Interest about
images	Image of the Point of Interest
weblink	Homepage
service provider	Association to service provider (if owner of the Point of Interest)

3.2.2 Quizzes

A quiz as part of Activities such as Tours and Free Discovery.

Category	Description
question	Quiz question
answers (x)	Quiz answers
correct (x)	Which answers are correct
explanation	Explanation about the right answer
category	Topic of the quiz (e.g. bike)
source / service provider	Provider of the question
source_weblink (optional)	Weblink to the information source

3.2.3 Facts

A short fact as an alternative to a Quiz as part of Activities such as Tours and Free Discovery.

Category	Description
title	Fact name
description	Fact
image	Fact image
source	Provider of the fact
source_weblink (optional)	Weblink to the information source

3.2.4 Riddles

A short hint to uncover a hidden POI as part of Activities such as Tours and Free Discovery.

Category	Description
title	Riddle name
description	What is the riddle about
hint	Hint if description is not enough
link to poi	Association to POI

3.2.5 Tours

A collection of POIs will form a tour and is one of the Activities available.

Category	Description
title	Tour name
subtitle	Tour sub header
linked list of pois	List of Points of Interest
distance (calculated?)	Tour distance (approximated)
duration (calculated ?)	Tour duration (approximated)
start-date	Tour start date
end-date	Tour end date

3.2.6 Services

A service listed in the Service Listing.

Category	Description
title	Service name
subtitle	Service sub header
description	Service description
weblink	Link to website

app-links	Link to appstores
link to pois	Associations to its POIs
image	Logo

3.2.7 Activities

Activities can be such as bike tracking, tours (complete tour or just a POI of the day) and free discovery and will update throughout the project.

Category	Description
title	Action name
subtitle	Action sub header
image	Action image
description	Action description
start-date	Start date
end-date	End date
link to action + filter	Association to the action link
reward (client / api ?)	Points amount as reward

3.2.8 Challenges

Challenges refer to one or more activity and can be such as a district bike challenge to reach 1.000 km within a certain timeframe or compete with other districts. A challenge can be available on an individual level, as a district or city-wide challenge to cooperate.

Category	Description
title	Challenge title
subtitle	Challenge subtitle
description	Challenge description
image	Challenge image
badge / achievement	A challenge badge
start-date	Start date
end-date	End date
link to activity	Association to the activity
reward (client / api ?)	Points amount as reward

3.2.9 User

Basic login information of the users to do activities and participate and contribute to challenges.

Category	Description
user	Username
password	Password

3.2.10 Profile

Additional information to be stored with the user.

This data will be filled in as we progress with the specification and development.

Category	Description
district	Your district
city	Your city

3.2.11 Suggestions/Reports

A suggestion or report that are placed on a map.

This data will be filled in as we progress with the specification and development.

Category	Description

3.2.12 Urban-Improvements

A list of improvements that are available as suggestions and for reporting.

This data will be filled in as we progress with the specification and development.

Category	Description

4 Conclusion and next steps

The current data specification was derived from the feature list (WP3) and the user requirements of the service providers (WP6). Part of the content strategy is to rely on automation when possible, the self-authoring-templates will be for all the content that cannot be automatized. Therefore, the next steps will be to create forms out of the data specification to collect data and later integrate these forms as part of SimpliCITY in the admin backend to manage and maintain the data on the platform. This document and the resulting self-authoring templates remain work in progress during the active development of SimpliCITY and we will expand and adopt them as needed throughout the iterative design and development process.