

Phase ID	Req ID	Sub-Req ID	Type	Version	Title	Description		
1	1		functional		Smoking check-in	When the user smokes a cigarette, the user shall open the app and indicate that they are smoking a cigarette.		
1	1	1	functional		Trigger	When the user is filling out a smoke checkin, user shall write in a free form text box what they are feeling.		
1	1	2	functional		Craving	When user is filling out a smoke checkin, user shall enter in how much they are craving a cigarette, on a scale of 1 to 10 via a slider.		
1	1	3	functional		Mood	When user is filling out a smoke checkin, user shall enter in how good their mood is, on a scale of 1 to 10 via a slider.		
1	1	4	functional		Stress Level	When user is filling out a smoke checkin, user shall enter in how stressed they are, on a scale of 1 to 10 via a slider.		
1	1	5	functional		Auto Time	When user is initiating a smoke checkin, time shall be automatically recorded and filled in.		
1	1	6	functional		Time	When user is filling out a smoke checkin, the user shall be able to optionally change the time of checkin.		
1	1	7	functional		Auto Location	When user is initiating a smoke checkin, the location shall be automatically recorded and filled in.		
1	1	8	functional		Location	When user is filling out a smoke checkin, the user shall be able to optionally change the location of checkin using a Google Maps placepicker.		
1	1	9	functional		People	When user is filling out smoke checkin, the user shall list people that they are with into a simple text field.		
1	1	10	functional		Situation	When user is filling out smoke checkin, the user shall write in a free form text box about the situation they are currently in.		
1	1	11	functional		Amount	When user is filling out a smoke checkin, the user shall enter in how many cigarettes they smoked in the session into a number spinbox.		
1	2		functional		Views			
1	2	1	functional		List	User shall be able to view list of previous checkins.		
1	2	2	functional		Create	User shall press a create button to initiate a smoking checkin (Req 0101)		
1	2	3	functional		Edit	User shall open an edit checkin screen (with all the options in Req 0101) by clicking on the listed checkin.		
1	3		functional		End of day alert	There shall be a push notification sent to the user at the end of every day, reminding the user to checkin, if there have been no checkins that day.		
1	4		non-functional		Android app	The Android app shall be compatible with at least Android Lollipop (version 4.1, API 16).		
1	5		non-functional		Multiple screens	Multiple screen sizes of phones shall be supported (but tablet support is not required in this phase).		
1	6		non-functional		Local data	Data shall be saved to the user's device, and not persisted to any servers.		
1	7		non-functional		Play Store	It should be theoretically possible to upload the app to the Play Store (though it may not be necessary to do it immediately).		
2	8				Urge check-in	The user shall be able to check in an urge, with a subset of the smoke check-in answers, if they have an urge to smoke but aren't smoking yet.		
2	9				Trial period			
2	9	1			Quit date	When starting to use the app, it shall prompt the user to pick a quit date between two weeks and one month in the future.		
2	9	2			Initial survey	The system shall start an Initial survey for user information. (wasn't thinking of quitting (recommended app), not sure, prepared to quit (try to encourage this))		
2	10				Quitting period	The system shall start an Initial survey for user motivation (reasons the user is quitting).		
3	11				Web service	A restful web service saves all check-ins in on a RESTful web service that we host.		
3	12				Web service platform support	The web service must either support a PaaS (Platform as a service), support containers, or provide scripts for easy provisioning on different services.		

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3	13				Accounts	Users should be able to log into separate accounts that organize their check-ins separately.		
3	14				Check-in sync	Check-ins can be made offline, and are synced (at least one way) to the web service when the device has an Internet connection.		
4	15				Encryption (storage and transit)			
4	15	1			Auth Credentials	I'm not sure if usernames need to be encrypted in transit, we should check HIPAA requirements. Passwords must be salted (and we should check if HIPAA forces us to do it a certain way).		
4	15	2			PHI (Protected health information) associated with the user's account			
4	15	3			Check-ins			
4	16				Users can only access their own account information and check-ins from their accounts.	The data should have been organized by user before, but here we must ensure that this separation is secure.		
4	17				HIPAA	If any, our user documentation should be updated to reflect HIPAA compliant promises and agreements.		
4	18				Agreements	User agreements / business agreements		
5	19				Location selection	Locations should represent specific places (when possible) to allow for improved feedback.		
5	20				Prompt the user for a check-in if it is expected that they are about to smoke.	It's important to not make this too frequent or infrequent. provide motivations or cognitive exercises		
5	21				Urge resistance	Give the user information about what they can do to resist urges to smoke.		
5	22				Intervention	Only interrupt the user when you have learned about what the user has been doing and expect something to happen.		
5	22	1				what can you do to avoid the situation?		
5	22	2				what can you do to cope? example: take nicotine gum or another replacement/alternative		
5	23				Initial threshold	Prompt the user if the smoke at a particular time/place at least 50% of the time (read about just in time intervention)		
5	24				Recommendations of things to avoid			
5	25				Random prompts	prompt semi-randomly about the user's mood, using it as an additional trigger if there is an expected risk		
5	26				Quitting Period			
5	26	1			Cognitive exercises			
5	26	2			User can view statistics on their progress when quitting			
5	27				Contacts support			
6	28				Static content	Generalized static content from the cloud is available to all users.		
6	28	1			Easy content changes	Content can be easily modified without updating the app.		
7	30				Therapist/client matchup	Therapist accounts are tied to specific client accounts, and they can only access those users' data. This linking process should probably be mutually agreed upon between the client and therapist.		
7	31				Cloud check-in access	Can access their clients' check-ins through the cloud.		
7	32				Cloud statistics	Check-in statistics are available to therapists.		
7	33				Dynamic therapist content and triggers	Can manually add feedback and content.		
7	34				Homework assignments from therapists			
1					Follow Material Design spec	https://www.google.com/design/spec/material-design/introduction.html		
1	2				Provide motivation	When user indicates that he is beginning to quit smoking, the user shall enter in his reasons for quitting.		

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1	3				Cognitive exercise	The user shall be able to do cognitive exercises. More details needed.		
1	4				Psycho-education	User shall access learning materials regarding		
1	5				Progress	User shall view statistics relating to their progress in quitting. More details needed.		
1	6				Alert Craving	When the user feels like smoking, the user shall indicate that to the app. When that happens, app should provide former motivation or a cognitive exercise.		
1	7				Detect Craving	When the user is in a time and place that they have been shown to smoke/want to smoke, app will give a notification showing former motivation or a cognitive exercise that needs to be solved.		