DESIGN CONSIDERATIONS

A successful medication management system should be able to...

Administer medication

- O Help users take medication at right time of day
- O Help users take the correct medication
- O Help users take the correct dose

Effectively utilize technology

- O Share patient information with multiple stakeholders (family members, caregivers)
- O Provide details about medication when desired
- O Have a simple interface that is easy to learn
- O Track patient's medication adherence
- O Remain reliable identify potential errors and tech malfunctions
- O Generate alert messages when patient threshold reached

Add value to interactions with doctors

- O Humanize patient (i.e. use narrative or pictures)
- O Promote safe medication practices and handling
- O Facilitate communication between doctors and patients
 - which doctors patient is under care
 - what medications are prescribed
 - questions about medication administration ie missing dose
- O Organize patient information for doctors
 - Could include questions that arise between appointments

Promote accessibility		
0	Adhere to standard accessibility guidelines Easy to open containers Accommodates sensory and physical limitations like touch, sight	
Promote independence		
0	Promote patient independence for medication management Empowers users and slows caregiver burnout	
Adapt		
0 0 0	Anticipates special medication requirements (pill taken with food, without food, sitting up, with water) Manage different forms of medications (pills, liquid, patch) Provides portable travel solutions Can be continuously customized by users: labels, time of day, pill storage units Can be integrated with other medication management systems Can accommodate different quantities and sizes of medications Can accommodate frequently changing medication regimens	
Organize		
0	Provides multiple views for information (calendar and chronological) Keeps medications separated Prevents medication from spilling Prevents medication becoming lost Labels can't rub off Remains transparent at all times	
Monitor		
0	Tracks when medication are being taken Tracks what medications are being taken	
Keep information secure		
	Retains the user sense of privacy Adheres to HIPAA laws	

0	Only available to those who administer medication (patient, or child-safe)
Remind	
0	Provides instructions for how to take medications Provides reminder for refills Provides reminders that are persistent but not intrusive Provides cues to manage medication (could include visual, audio, tactile)
Use time efficiently	
0	Little time to complete tasks
Integrate	with new or existing habits
0	System helps build routines and habits Integrates with user habits and routines Adapts to changes in patients routines (if lunch is eaten later, a pill that is taken with lunch is taken later)