## Version Map

Phases	Version	Features	Issues
1 Product Development	V1	Interation  • Haptic Skimming: 5 lines  • Read line number  • Move cursor to specific line  • Read indentations  • Continuous scrolling	<ul> <li>User has to wait for the time delay before he can skim to next 5 lines</li> <li>User can only skim through 5 lines at a time</li> </ul>
		Chassis	<ul> <li>Glued joints does not allow easy repairability</li> <li>Living hinges tend to break under perpendicular forces. Need internal reinforcements</li> </ul>
		Electronics	<ul> <li>Protoboard can pose wiring failures and is dificult to assemble</li> <li>Battery bank needs to be switched on, opening the backcover</li> </ul>
	V2	Interaction  • Higher resolution: 10 lines  • Haptic motor feedback for debugging on specific line  • Fast scrolling: Wait for user joystick input release to read lines	
		<ul> <li>Chassis</li> <li>Internal supports for living hinges</li> <li>Lead screws printed with self lubricating Nylon 12 using SLS printing</li> <li>Screwable joints in both variants</li> </ul>	<ul> <li>SLS 3D printing may be not available as commonly as FDM printing</li> <li>Lead screws for Micro steppers may be weak with perpendicular loads from user's touch and push switching</li> </ul>
		Electronics	Micro stepper may not have enough holding torque for han- dling user's touch