



Objective of App	Methodology	Lessons Learned	Future Work
<p>beFit is designed to empower individuals of all fitness levels to lead healthier lives through</p> <ul style="list-style-type: none"> <li>● Customizable meal plans</li> <li>● Customizable workout plans</li> </ul>	<p>APIs:</p> <ul style="list-style-type: none"> <li>● NinjaAPI</li> <li>● EdamamAPI</li> </ul> <p>Firestore - Realtime Database</p> <p>Android Studio - Kotlin</p> <p>Agile</p> <p>Testing - JUnit &amp; Mockito</p>	<p>Struggles:</p> <ul style="list-style-type: none"> <li>● Data structures not matching between the database and the app</li> <li>● APIs not integrating well into framework of app</li> <li>● Activities and fragments not navigating to each other properly</li> </ul> <p>Resolutions:</p> <ul style="list-style-type: none"> <li>● For the APIs, we removed the use of an image generating API and for the others, followed API documentation &amp; tutorials</li> <li>● Needed to change structure of app from multiple activities to multiple fragments instead</li> </ul>	<p>Navigation menu</p> <p>Improve API integration</p> <p>Parsing out text information from NinjaAPI to improve readability</p> <p>Add pictures for the NinjaAPI steps</p> <p>Recipe implementation</p> <p>Improve adding meal features</p> <p>Complete Progress functionality</p> <p>Add Calendar with Reminder feature</p>

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References: ChatGPT 3.5, Android Docs, StackOverflow, EdamamAPI Docs, NinjaAPI Docs, DALL-E