Honors Adaptation

Mobile Application Development CS 347-1

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The honors adaptation for Mobile Application Development will be a report on Mobile Backend as a Service (MBaaS). This is a relatively new field, so it should be challenging and interesting, even though there is quite a bit of documentation on the web. I suggest the place to start is the Wikipedia page for a quick overview. A list of providers is included at the bottom of the article.

The basic form of the report should be a **written overview** of MBaaS with a **comparative analysis** of the most prominent providers. The providers should include FireBase, Microsoft Azure, AWS, among others. The report will discuss what MBaaS is and what needs it fulfills. It will answer the following questions:

- What are the common features offered by MBaaS providers?
- What database support is available?
- What is the nature of the API?
- Are push notifications provided and for which platforms?
- What is the cost? Are there free starter accounts? If so, what are their limitations?
- What other features are available? Are some features unique to specific providers?

The comparative analysis part of the report should include a **table** that lists providers and what features they support. Perhaps the table could go in the appendix of the report.

It would be illustrative to include a **case study** for the Gilda's Club project. Which MBaaS provider would you use for that project and why? Which one would provide the features you need at a cost you can afford?

The report must be written and include citations. Include an **abstract or executive overview** paragraph at the beginning.

A supplemental live in-class presentation or recorded video would add value to the effort and give the entire class insight on this important aspect of mobile application development.