

Berikut terlampir deskripsi untuk setiap modul dan kompetensi yang diperlukan:

1. General Requirements:

- ✓ Setiap modul harus dilengkapi validasi dan *error message*.
- ✓ *Scrollbar* harus muncul jika ada *list* atau *view* yang tidak dapat ditampilkan dalam satu *layer*.
- ✓ Gunakan *ISO compliant date format* yaitu YYYY-MM-DD untuk semua Tanggal.
- ✓ Gunakan *proper naming conventions* untuk semua material yang dikumpulkan.
- ✓ Tampilkan *form* atau *report* pada tengah *layer*.
- ✓ Ketika *form* atau dialog *in focus*, maka *disable* proses pada *form* yang lain.
- ✓ *Wireframe* yang disediakan hanyalah sebagai acuan. Modifikasi diperbolehkan selama tidak mempengaruhi kinerja fitur yang ada.
- ✓ Perhatikan waktu pengerjaan dan gunakan waktu yang diberikan sebaik mungkin.

2. Test Projects Details

Module Name	Estimated Duration (Hours)	Requirements
Desktop Application	3 - 4	<ul style="list-style-type: none"> • <i>Import database and its content from external sources</i> • <i>Create windows forms and its components based on given requirements</i> • <i>Validate user input</i> • <i>Role validation and menu access restriction based on login data</i> • <i>Show, insert, update, or delete records in the database</i> • <i>Create windows forms and its components based on given requirements</i> • <i>Show, insert, update, or delete records in the database</i> • <i>Join tables query</i> • <i>Aggregate query</i>

		<ul style="list-style-type: none"> • <i>Display data using chart</i> • <i>Searching and filtering</i> • <i>Datagridview manipulation</i>
<i>Mobile Application</i>	3 - 4	<ul style="list-style-type: none"> • <i>Create mobile form and its component based on given requirements</i> • <i>Show, insert, update, or delete records from external sources (database or API)</i> • <i>Searching and filtering</i> • <i>Export data to external files</i>
<i>Web Application</i>	3 - 4	<ul style="list-style-type: none"> • <i>Analyze given requirements and convert them into database design</i> • <i>Provide all endpoint according to endpoint contract given</i> • <i>Produce the right logic for each endpoint</i> • <i>Provide the right endpoint including headers, params, request body, and method also with the return object suitability (http status code, response header, response body)</i> • <i>Provide the consumable response for each negative case might occurs</i> • <i>Searching and filtering</i>