The Aerospace Engine Industry is a thriving, multi-billion dollar industry. Every day there are people trading, selling, and leasing airplane engines and parts. Despite the fact that the industry is over ninety years old, there still isn’t a single place on the web where all facets of commerce in this industry can be conducted. Knowing this, our group set out to create the very first e-commerce website for this commercial enterprise. With the help and guidance of our mentor we believe we have taken the first steps in bring this ninety year old industry into the twenty first century.

My Problem Space:
- Provide a Careers section.
- Provide users the ability to post jobs and resumes.
- Provide users the ability to search through the job and resume listings.
- Provide users the ability to upload and download resumes from the listings.

As a job poster, I want to:
- List my job where people in the industry can find it.
- Search for promising candidates within the same industry.
- Download resumes from listed candidates so I can keep a record.
- Update details of my job listing.

As a job seeker, I want to:
- List my resume where employers in the industry can find it.
- Search for various posted jobs that might meet my expertise.
- Update details of my resume as I gain more credentials.

As mentioned previously, we built our system with an MVC approach using the CodeIgniter framework. Most of the backend of the project was done by tailoring the functions provided by the framework to our specific needs. In fact, all of the control and model classes were built around the functions provided by CodeIgniter. The front end was mainly designed around Bootstrap. Bootstrap is a modern and sleek CSS framework that allowed us to provide an intuitive and attractive user interface. All of the views were created around Bootstrap frames with embedded PHP code. For example, all of the buttons, tables, and input areas come from Bootstrap.

As far as division of work, the group chose to implement the project by splitting up into subsystems rather than a front end/back end approach. We felt that this way allowed each member to become intimately familiar with their system and thereby requiring less consistent contact within the short timeframe of the project.

The Aero Engine Cloud provides a centralized e-commerce platform for all your Aerospace Industry needs:
- The platform provides for a quick and intuitive interface to buy, sell, trade, and lease Airplane engines and parts.
- The platform provides an environment in which industry specialists can find one another for future career opportunities.
- The platform allows members of the industry to form events where they can share information, conduct important business, and have fun together.
- The platform offers a secure membership service that allows for different levels of access as well as administrator oversight.

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