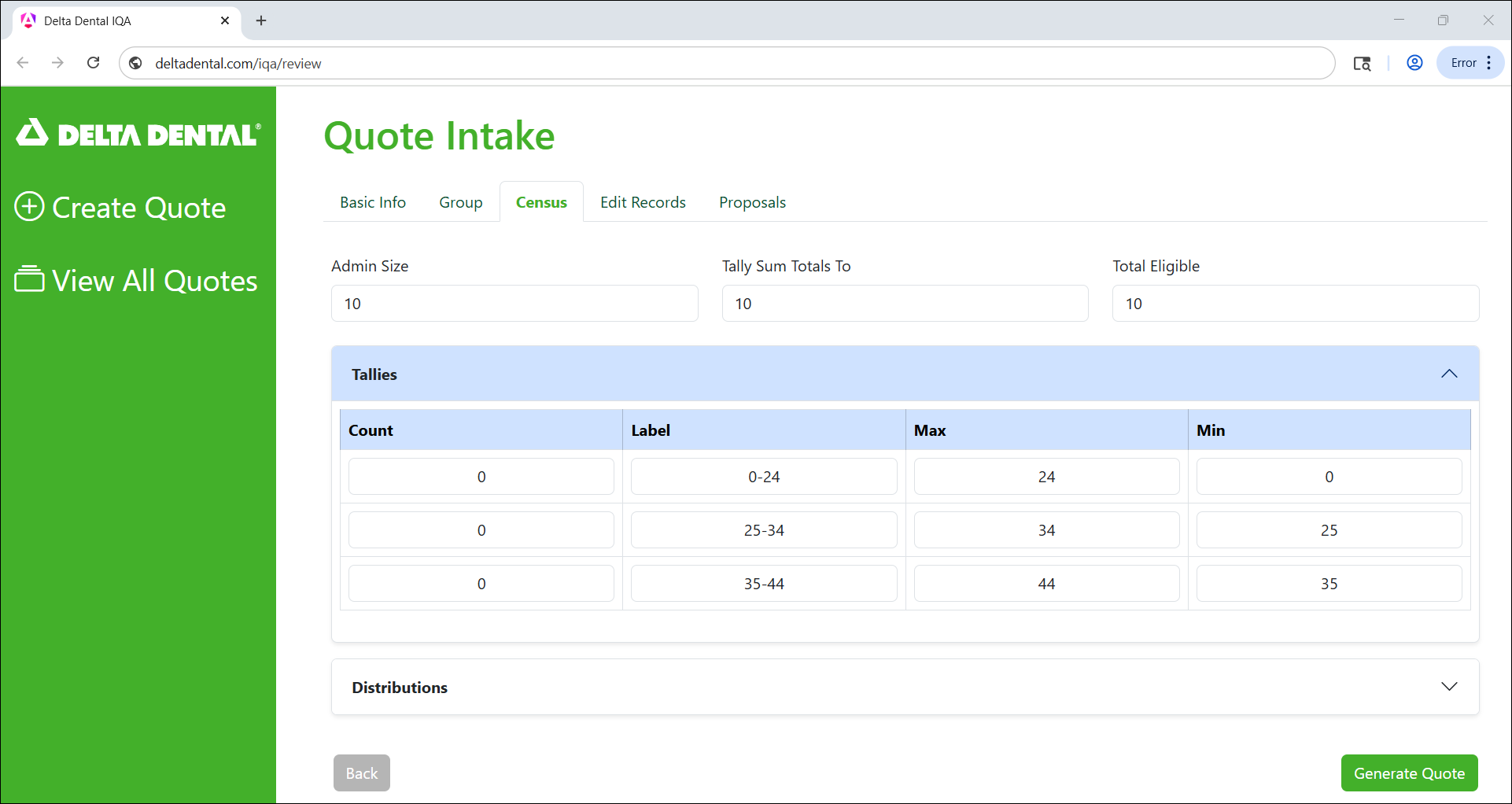
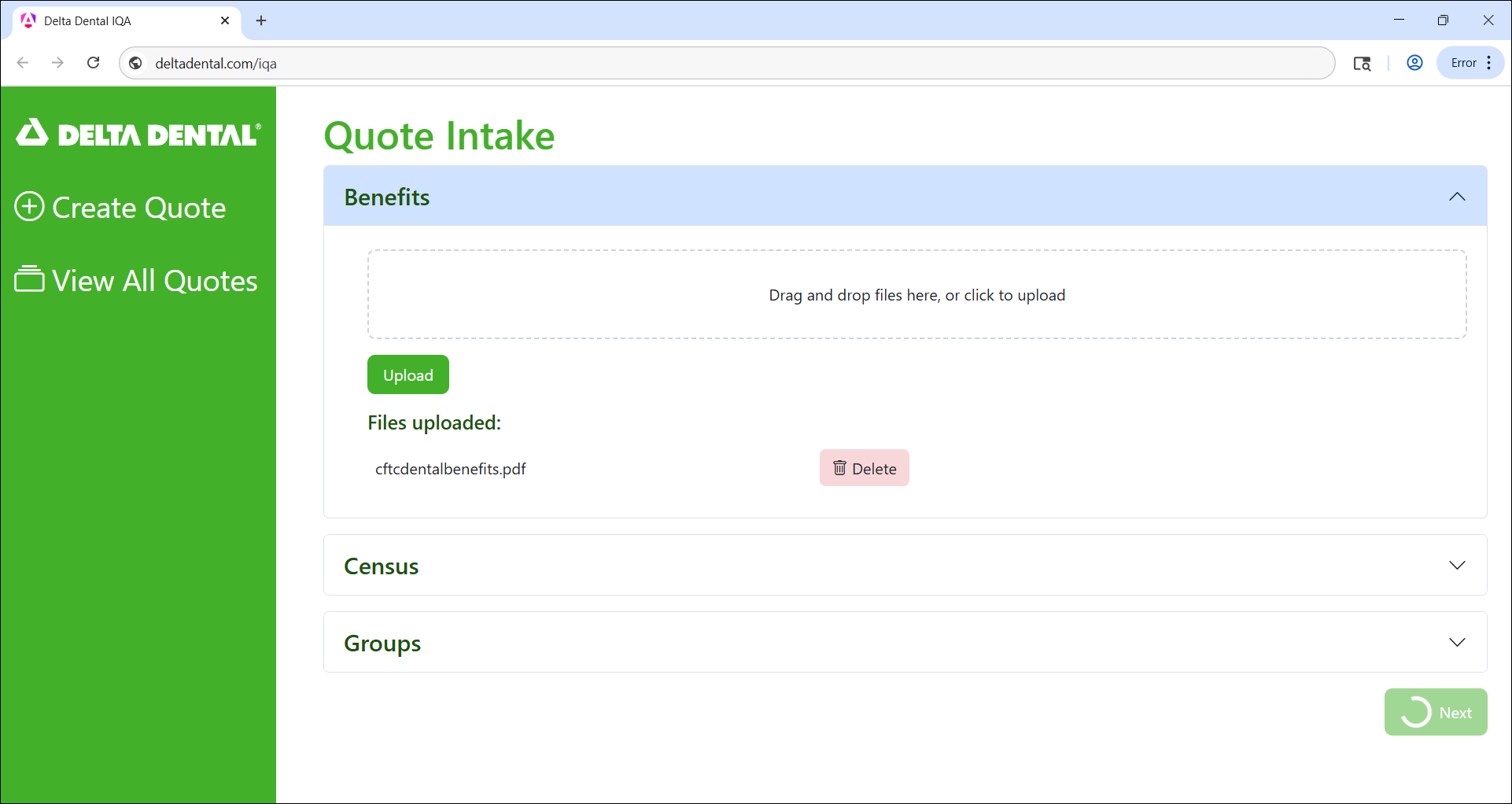
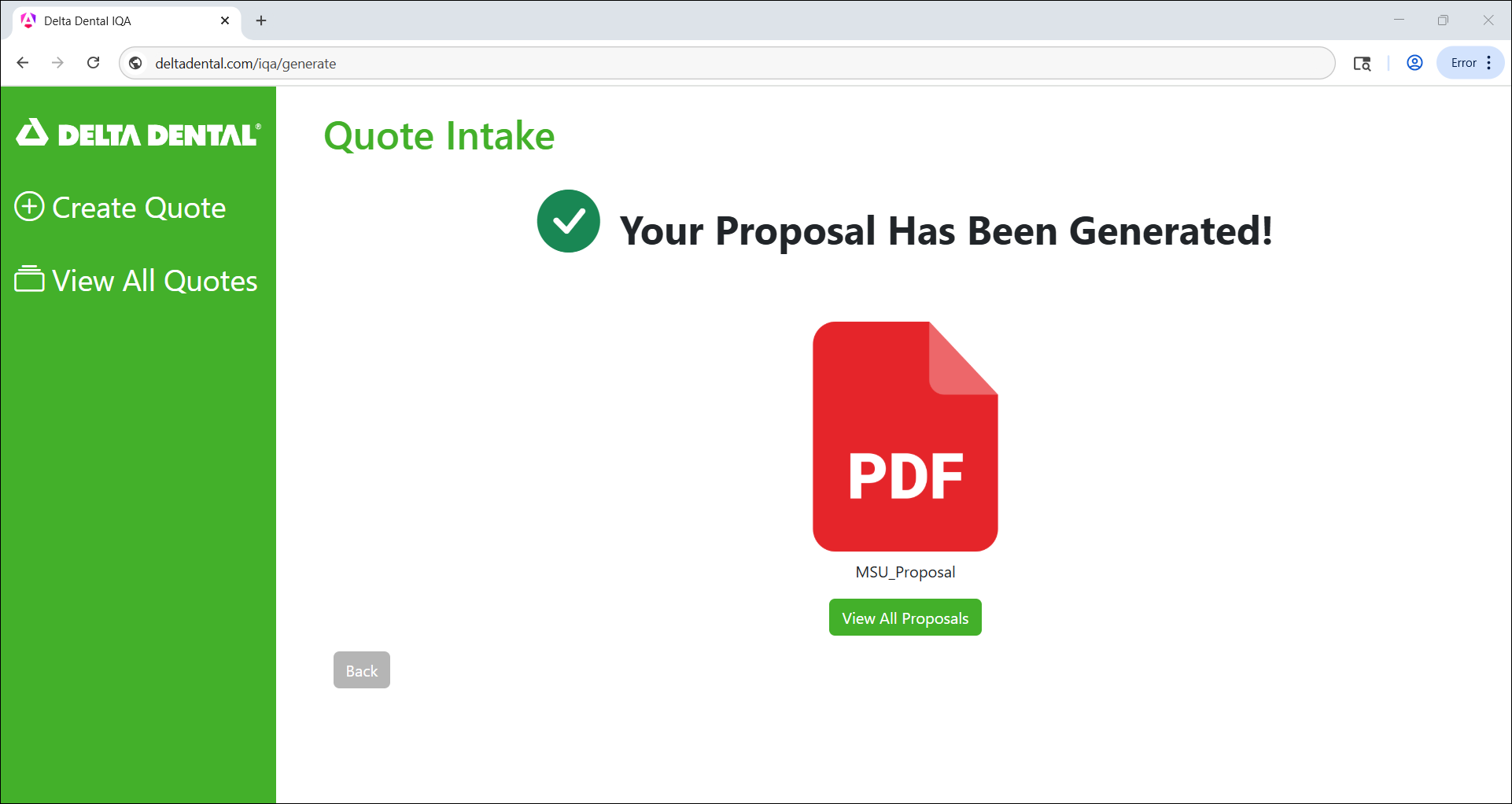
Design Day Booklet Team Page







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Delta Dental IQA

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Delta Dental provides dental insurance coverage to more than 83 million Americans. They are the largest dental insurance provider in the United States, saving their customers more than $4.3 billion in the past few years.

Creating over 80 million insurance quotes annually, Delta Dental tasks their underwriters with the creation of these quotes for prospective clients. The underwriters identify the manual and tedious data entry of client supplied information to be the biggest pain point of this process.

Due to the chaotic nature of this data and a wide range of possible formats, efficiency proves to be an elusive goal.

The Insurance Quoting Assistant solves this issue by analyzing and parsing a wide variety of client-supplied files and automatically creating proposals thereby streamlining the underwriting process.

The web application lets the underwriters upload a wide variety of files and to review automatically generated sections of the quote. Once the underwriter reviews and makes the necessary additions, the web application generates a proposal document for the client.

If changes are requested, seamless version tracking and editing capabilities allow the underwriter to accommodate. A search feature enables efficient retrieval of these different versions.

Our application streamlines the underwriting process by allowing them to gather and review information to generate quotes at an unprecedented rate.

Even using a very conservative estimate the tool saves around 200 hours of work time a year; being likely higher for some of the more difficult quotes.

The front end of our web application is built with Angular and Bootstrap. Python FastAPI serves as the AI microservice. MongoDB provides the database. The Java Quarkus back end connects all these components together.

CSE498 | 8:00 a.m. – Noon Computer Science and Engineering, Third Floor | 3200/3300 Hallway

Delta Dental of Michigan, Ohio and Indiana

Insurance Quoting Assistant