Diploma thesis structure and advice

1. Introduction [1-2 pg]
   - context, motivation (gradual introduction; think that the reader does not know anything about the subject)
   - own contributions (brag about what you did, make it sound really good; you're the man!)
   - paper structure
2. State of the Art [max 8-9 pg]
   - detailed context
   - related work
3. Design [4 - 10 pg]
   - functionality – what it should do
   - architecture – a diagram, explanations
   - component description
4. Implementation [4 - 10 pg]
   - description of used technologies
   - description of component implementation
5. Evaluation [4 - 10 pg]
   - test environment
   - test scenarios – step by step
   - numbers, charts etc
6. Conclusions [1-2 pg]
   - context + motivation (why did I do this?)
   - conclusions (**brag** about what you did; description of contributions and advantages; never say it doesn't work)
   - future work
7. References
   - minimum 20 references

IMPORTANT: usually, the commission carefully reads the introduction and the conclusions, so it's vital that you outline the benefits of your work, how cool it was and how it makes the world a better place. The introduction and conclusions are very important parts of the paper, so try to polish them as much as you can.