# Project Plan Presentation Outline

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──── **Abstract** ────────────────────────────────

## 1    Introduction

- Present Idea.
- Journey planning algorithms aim at computing a set of journeys that is interesting to the user.
- with recent developments, additional modes more important
- *allows* algorithms to consider these modes. Want to make sure that an interesting selection of journeys is actually contained in the result set.
- criteria define what results we get. two to three criteria improved result quality, therefore, try more.

## 2    State of the Art

- Very brief
- Just mention the most important algorithms/concepts and explain them in one sentence.

## 3    Objective

- Develop query algorithms that can optimize more than three criteria efficiently.
- As seen in introduction: Want to make sure we find the right journeys using additional modes.
- For one additional mode, this works well with three criteria. More modes ⇒ more criteria! (in that case: transfer related)
- Also possible: interested in other tradeoffs within a bimodal setting. Therefore relevant problem!
- Story from bachelor's thesis: algorithm performs well for one set of criteria, bad for the other
- Therefore: Consider different scenarios here!
- Describe multimodal scenario and bimodal scenario as in project plan, leave out discomfort-restriction
- Weave preliminary work into this where necessary as reasoning for doing something
- Show what appears to be too hard
- Talk about what can be done at the query:
- Use restricted pareto sets, maybe extend the restriction?
- Combine different algorithmic approaches?

## 4    Work Plan

- AE cycle again
- describe methodology
- briefly describe the main work packages, especially:
    - Preparation for multimodal ultra

## 2 Project Proposal

- bimodal multicriteria ultra
- Query stuff
- Show time plan / gantt chart