COMP 3004 - Deliverable #4 - Retrospective

`Brackit` - Mobile Tournament Bracket Creation

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Metadata

Team / App Name: `Brackit`

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Functional Requirements (FR)

- ***Bracket Generation/Maintenance***
  - ☑ TOs can create joinable double elimination brackets
  - ☑ Entrants can use system to enter joinable double elimination brackets
  - ☑ Given a seeded list of entrants, output a correct double elimination bracket
  - ☑ TOs can access a setup screen where they seed (rank) the entrants dynamically and can view a preview of the bracket as seeded, then confirm the final active bracket
    - If output of system is not accepted, TOs can reseed entrants
- ***Profile Creation/Maintenance***
  - ☑ Competitors/Organizers can create profiles which keep a history of:
    - tournaments entered and created, placement history
    - number of matches won/lost
    - overall matchups against opponents
    - additional user profile information
  - ☑ The system supports both user profiles and competitors who haven't created a profile (Guest Users)
- ***Data Input/Processing***
  - ☑ Tournament organizers can enter tournament results in active brackets
  - ☑ Use dynamic tournament results to render Losers brackets and subsequent Winners rounds during competitions in real time
- ***Bracket Visualization***
  - ☑ Users can access multiple views of brackets:
    - Winners / Losers brackets
    - Specific bracket rounds
  - ☑✗ Users can click on competitors in rounds to view their profile

Non-Functional Requirements (NFR)

- ***Useability***: `Brackit's` main selling point - current platforms are simply not usable on mobile devices.
  - ☑ Users can clearly view and understand bracket structure and competitors' placement within brackets
  - ☑ Visually coherent mobile representation of a double elimination bracket
  - ☑✗ Seamless competitor entry (by TOs) to brackets in the setup phase
- ***Screen Adaption***
  - ☑✗ Users can visualize brackets in portrait and landscape modes
- ***Methodology***

IDE and Version Control	**Languages/Frameworks**
Android Studio, Visual Studio Code, GitHub	~~React-Native~~, Android-Kotlin, Python, Flask
Platform	**Development Process**
Android	Agile